

Converting Colors

XYZ(87.3993, 110.8314,
92.9051)

Have a look what the booklet for
XYZ(87.3993, 110.8314, 92.9051)
contains.

XYZ(77.7661, 91.4923, 89.9050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.7661, 91.4923,
89.9050)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFE8
RGB	213, 255, 232
RGB Percent	84%, 100%, 91%
CMY	0.1647, 0.0000, 0.0902
CMYK	0.16, 0.00, 0.09, 0.00
HSL	147°, 100%, 92%
HSV	147°, 16%, 100%
XYZ	77.7661, 91.4923, 89.9050
YIQ	239.8200, -17.6490, -16.0570

Conversions

Conversions Part 2

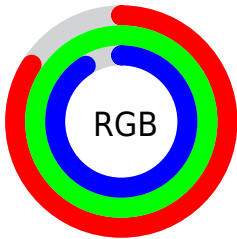
Format	Color
R _Y B	213, 242, 255
Decimal	14024680
CIE Lab	96.61, -17.75, 6.53
CIE LCh	97, 18.911, 159.805
Yxy	91.4923, 0.3001, 0.3530
Android (android.graphics.Color)	4292214760 (0xFFD5FFE8)
YUV	239.8200, -3.8553, -23.5211
Hunter-Lab	95.6516, -22.2673, 11.2282

Details

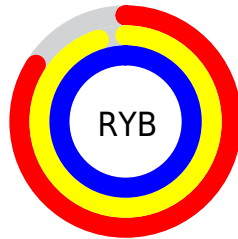
The XYZ color **77.7661, 91.4923, 89.9050** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1751, 74.9057, 89.5896**, and the grayscale version is **82.7224, 87.0304, 94.7761**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1311, 50.7919, 48.6576** is the 20% darker color. If you saturate the color by 10%, you get **69.0365, 87.2122, 79.5508**, and if you desaturate by 10%, it is **87.8180, 96.4359, 101.1467**.

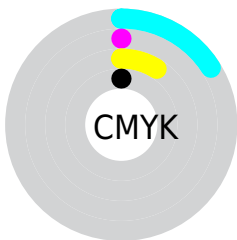
Distribution



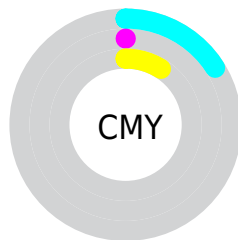
- Red (84%)
- Green (100%)
- Blue (91%)



- Red (84%)
- Yellow (95%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7661, 91.4923, 89.9050 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.7661, 91.4923, 89.9050 by changing the saturation by 10% instead.

77.7661, 91.4923,
89.9050

77.7661, 91.4923,
89.9050

476.2241,
532.8734, 548.2839

58.1840, 69.2190,
67.3286

129.1875,
149.4095, 149.1408

42.2004, 50.8901,
48.8884

161.7574,
185.8223, 186.6373

29.4500, 36.1212,
34.1660

199.3873,
227.7170, 229.9441

19.5675, 24.5278,
22.7428

242.4426,
275.4780, 279.4800

12.1875, 15.7256,
14.2002

291.2885,
329.4898, 335.6634

6.9446, 9.3302,
8.1197

346.2905,

3.4735, 4.9572,

390.1366, 398.9128

4.0828

407.8139,
457.8031, 469.6468

■ 1.4088, 2.2222,
1.6709

■ 0.2625, 0.7320,
0.3406

■ 77.7661, 91.4923,
89.9050

■ 77.7661, 91.4923,
89.9050

■ 69.0365, 87.2122,
79.5508

■ 87.8180, 96.4359,
101.1467

■ 61.5687, 83.5648,
70.0580

95.0500, 100.0000,
108.9000

■ 55.3014, 80.5189,
61.4055

■ 50.1668, 78.0400,
53.5695

■ 46.0899, 76.0900,
46.5253

■ 42.9863, 74.6258,
40.2465

■ 40.7573, 73.5970,
34.7052

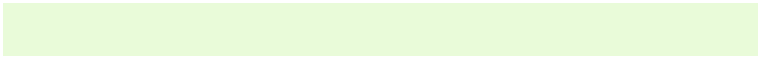
■ 39.2806, 72.9412,
29.8709

■ 38.8754, 72.7661,
28.3253

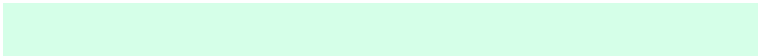
Harmonies

Analogous

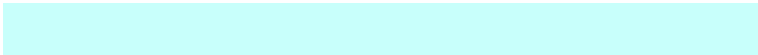
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6148, 91.4923, 78.8890



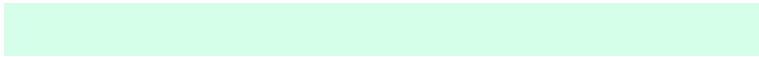
77.7661, 91.4923, 89.9050



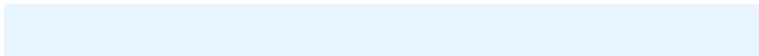
77.3248, 91.4923, 104.6595

Triad

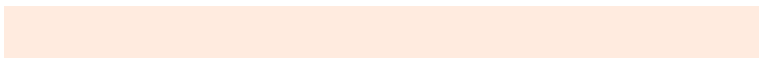
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7661, 91.4923, 89.9050



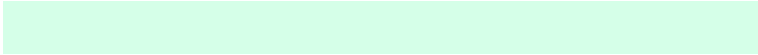
88.7031, 91.4923, 131.1442



95.0049, 91.4923, 82.1224

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.7661, 91.4923, 89.9050



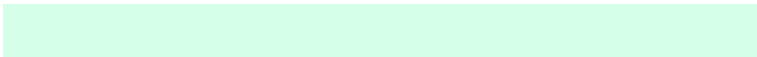
80.1751, 74.9057, 89.5896

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.3656, 91.4923, 94.7440



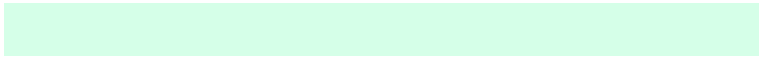
77.7661, 91.4923, 89.9050



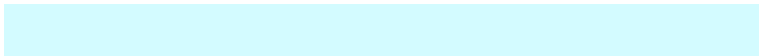
93.6311, 91.4923, 123.6966

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



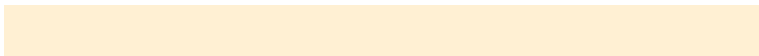
77.7661, 91.4923, 89.9050



83.4990, 91.4923, 129.5123



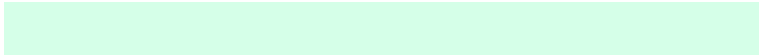
96.8529, 91.4923, 110.0099



90.5168, 91.4923, 74.7214

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



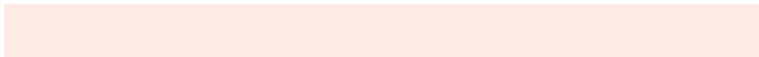
77.7661, 91.4923, 89.9050



78.4360, 91.4923, 114.8000



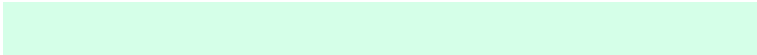
96.8529, 91.4923, 110.0099



96.0817, 91.4923, 85.8400

Sweetspot

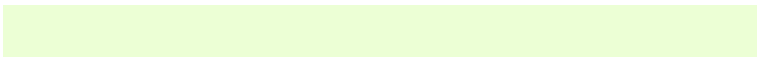
The Sweet Spot groups the original color and five complimentary colors.



77.7669, 91.4928, 89.9065



89.4099, 97.2199, 102.8746



82.3961, 94.1744, 76.7869



18.9737, 20.7284, 21.8420



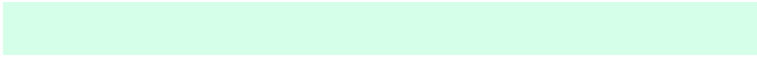
0.0000, 0.0000, 0.0000



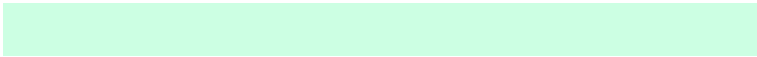
20.3446, 21.4041, 23.3091

Same Dimension

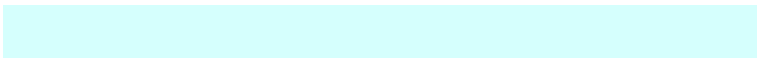
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7669, 91.4928, 89.9065



74.5370, 89.9074, 86.1507



80.9149, 92.7519, 106.4833



18.1132, 20.3048, 20.8992



20.3862, 38.0511, 15.1847



2.0391, 3.7266, 1.7639

Inverse Universe

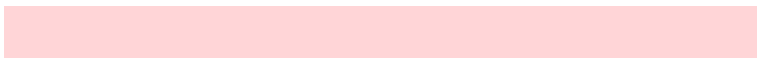
The Inverse Universe completely reimagines the original color for something new.



80.1751, 74.9057, 89.5896



77.3881, 70.2678, 85.7743



77.3136, 73.7611, 74.5212



18.4256, 18.1535, 20.8582



24.0847, 12.1232, 14.3622



2.4002, 1.2024, 1.6887

Previews

White Background



This preview shows how the XYZ color 77.7661, 91.4923, 89.9050 looks on a white background.

Color Contrast Check

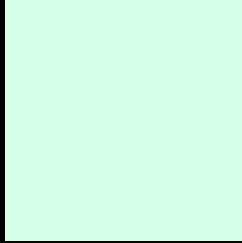
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.7661, 91.4923, 89.9050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

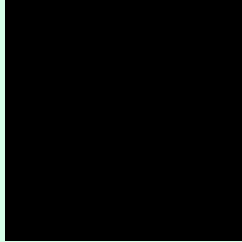
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

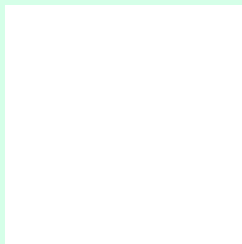
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7661, 91.4923, 89.9050

Background



This preview shows how black text looks on a background with the XYZ color 77.7661, 91.4923, 89.9050.



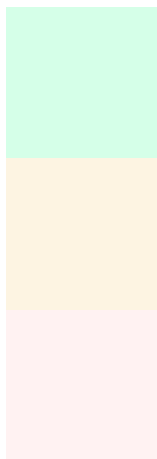
This preview shows how white text looks on a background with the XYZ color 77.7661, 91.4923,

89.9050.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.7661, 91.4923, 89.9050

Protanopia

86.5862, 91.0750, 84.9672

Deuteranopia

89.0191, 91.1751, 96.9111



Tritanopia

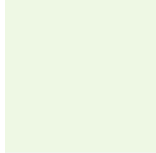
85.5717, 91.4037, 107.7403

Trichromacy



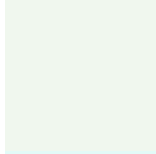
Original Color

77.7661, 91.4923, 89.9050



Protanomaly

82.8309, 90.9134, 86.5812



Deuteranomaly

84.6286, 91.2198, 94.0357



Tritanomaly

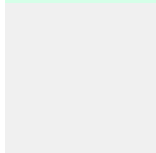
82.6527, 91.4175, 101.2848

Monochromacy



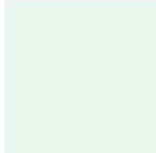
Original Color

77.7661, 91.4923, 89.9050



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.5716, 88.2422, 92.9066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7661, 91.4923, 89.9050 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(213, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(213, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 77.7661, 91.4923, 89.9050 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 255, 232) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(213, 255, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(213, 255, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7661, 91.4923, 89.9050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(213,  
255, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor