

Converting Colors

XYZ(77.0640, 91.1665, 88.2436)

Have a look what the booklet for
XYZ(77.0640, 91.1665, 88.2436)
contains.

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Color

**XYZ(77.1943, 91.2302,
88.4035)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FFE6
RGB	212, 255, 230
RGB Percent	83%, 100%, 90%
CMY	0.1686, 0.0000, 0.0980
CMYK	0.17, 0.00, 0.10, 0.00
HSL	145°, 100%, 92%
HSV	145°, 17%, 100%
XYZ	77.1943, 91.2302, 88.4035
YIQ	239.2930, -17.6030, -16.8910

Conversions

Conversions Part 2

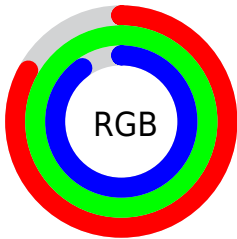
Format	Color
R_{YB}	212, 242, 255
Decimal	13959142
CIE _{Lab}	96.50, -18.43, 7.39
CIE _{LCh}	97, 19.861, 158.146
Yxy	91.2302, 0.3006, 0.3552
Android (android.graphics.Color)	4292149222 (0xFFD4FFE6)
YUV	239.2930, -4.5814, -23.9360
Hunter-Lab	95.5145, -22.8876, 11.9843

Details

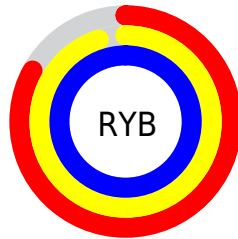
The XYZ color **77.1943, 91.2302, 88.4035** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0700, 74.4623, 90.2733**, and the grayscale version is **82.3163, 86.6032, 94.3109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8366, 50.6514, 48.1291** is the 20% darker color. If you saturate the color by 10%, you get **68.4203, 86.9375, 77.5836**, and if you desaturate by 10%, it is **87.3079, 96.1930, 100.2133**.

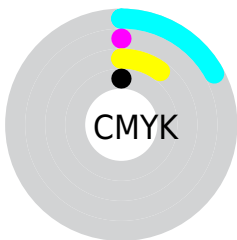
Distribution



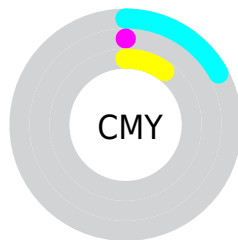
- Red (83%)
- Green (100%)
- Blue (90%)



- Red (83%)
- Yellow (95%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1943, 91.2302, 88.4035 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 77.1943, 91.2302, 88.4035 by changing the saturation by 10% instead.

77.1943, 91.2302,
88.4035

77.1943, 91.2302,
88.4035

474.3080,
532.0246, 543.2592

57.7128, 69.0014,
66.0911

128.3851,
149.0460, 147.0349

41.8202, 50.7129,
47.8894

160.8252,
185.4019, 184.1909

29.1510, 35.9801,
33.3799

198.3155,
227.2355, 227.1318

19.3400, 24.4189,
22.1441

241.2214,
274.9313, 276.2762

12.0216, 15.6446,
13.7635

289.9082,
328.8738, 332.0426

6.8307, 9.2730,
7.8195

344.7414,

3.4018, 4.9197,

389.4472, 394.8495

3.8936

406.0862,
457.0360, 465.1155

■ 1.3697, 2.2002,
1.5671

■ 0.2345, 0.7201,
0.2672

■ 77.1943, 91.2302,
88.4035

■ 77.1943, 91.2302,
88.4035

■ 68.4203, 86.9375,
77.5836

■ 87.3079, 96.1930,
100.2133

■ 60.9248, 83.2839,
67.7236

95.0500, 100.0000,
108.9000

■ 54.6453, 80.2377,
58.7982

■ 49.5129, 77.7640,
50.7794

■ 45.4515, 75.8242,
43.6376

■ 42.3753, 74.3745,
37.3416

■ 40.1839, 73.3639,
31.8580

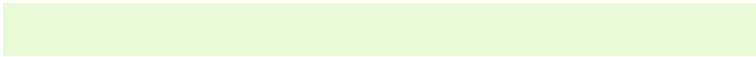
■ 38.7515, 72.7282,
27.1505

■ 38.4006, 72.5763,
25.8254

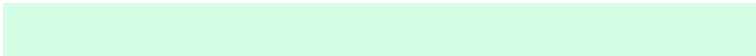
Harmonies

Analogous

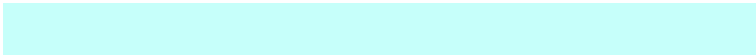
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2960, 91.2302, 77.2184



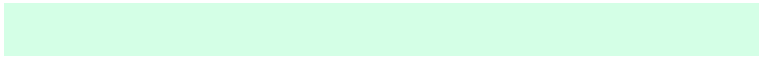
77.1943, 91.2302, 88.4035



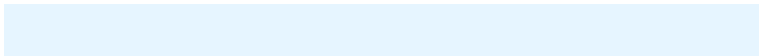
76.5868, 91.2302, 103.7206

Triad

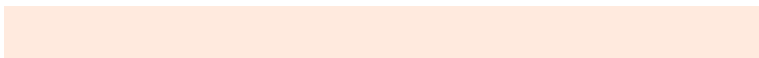
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1943, 91.2302, 88.4035



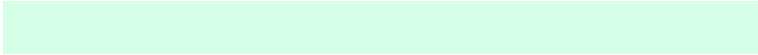
88.2300, 91.2302, 132.7036



95.3631, 91.2302, 81.6545

Complementary

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



77.1943, 91.2302, 88.4035



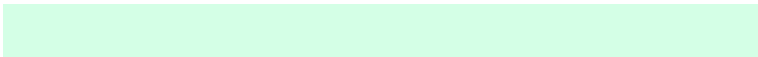
80.0700, 74.4623, 90.2733

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.



97.6915, 91.2302, 95.0732



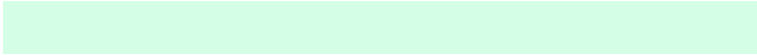
77.1943, 91.2302, 88.4035



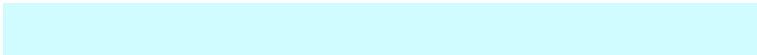
93.4601, 91.2302, 125.3145

Square

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



77.1943, 91.2302, 88.4035



82.8058, 91.2302, 130.4303



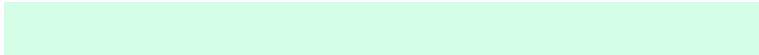
96.9806, 91.2302, 111.1307



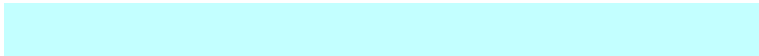
90.7383, 91.2302, 73.6206

Rectangle

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



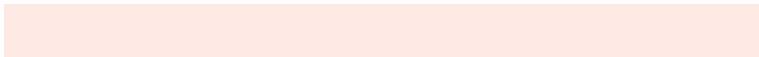
77.1943, 91.2302, 88.4035



77.6525, 91.2302, 114.4338



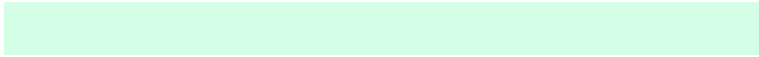
96.9806, 91.2302, 111.1307



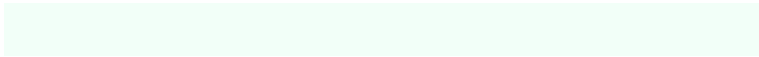
96.4491, 91.2302, 85.6249

Sweetspot

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



77.1951, 91.2306, 88.4050



89.3431, 97.1932, 102.5230



82.5971, 94.2926, 76.1356



18.9575, 20.7219, 21.7567



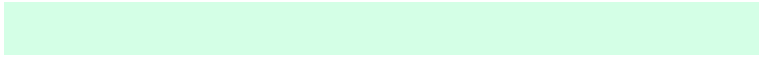
0.0000, 0.0000, 0.0000



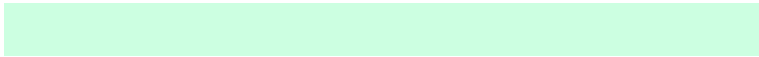
20.3446, 21.4041, 23.3091

Same Dimension

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



77.1951, 91.2306, 88.4050



74.3002, 89.8127, 84.9041



80.3903, 92.5087, 105.2306



18.0870, 20.2943, 20.7610



20.1356, 37.9508, 13.8654



2.0136, 3.7163, 1.6292

Inverse Universe

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



80.0700, 74.4623, 90.2733



77.6339, 70.3662, 87.0690



77.1250, 73.2843, 74.7652



18.4523, 18.1642, 20.9987



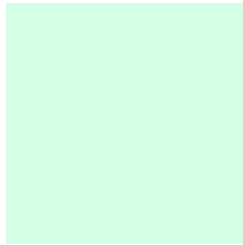
24.4284, 12.2607, 16.1724



2.4330, 1.2156, 1.8618

Previews

White Background



This preview shows how the XYZ color 77.1943, 91.2302, 88.4035 looks on a white background.

Color Contrast Check

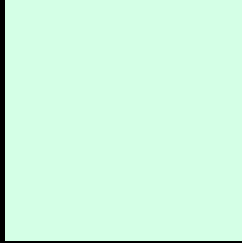
Large Text (above 18pt) WCAG AA × Fail

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 77.1943, 91.2302, 88.4035 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

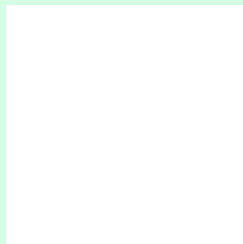
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1943, 91.2302, 88.4035

Background



This preview shows how black text looks on a background with the XYZ color 77.1943, 91.2302, 88.4035.



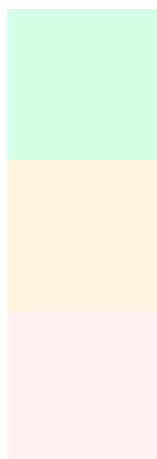
This preview shows how white text looks on a background with the XYZ color 77.1943, 91.2302,

88.4035.

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

77.1943, 91.2302, 88.4035

Protanopia

86.6783, 91.1540, 83.5471

Deuteranopia

88.5725, 90.5215, 96.0232



Tritanopia

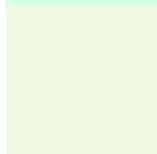
84.9375, 90.6240, 107.6232

Trichromacy



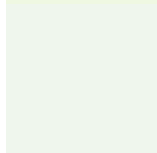
Original Color

77.1943, 91.2302, 88.4035



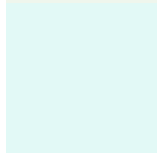
Protanomaly

82.8915, 90.9765, 85.1429



Deuteranomaly

83.8384, 90.3767, 93.1464



Tritanomaly

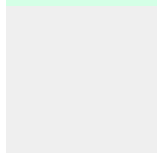
81.8743, 90.5739, 100.3561

Monochromacy



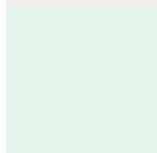
Original Color

77.1943, 91.2302, 88.4035



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1058, 88.0190, 92.1242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1943, 91.2302, 88.4035 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(212, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 230)  
}
```

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(212, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 77.1943, 91.2302, 88.4035 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(212, 255, 230) }
```


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

```
.border{ border-color:rgb(212, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1943, 91.2302, 88.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 230) }
```

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

```
.background{ background-color: rgb(212,  
255, 230) }
```

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](#).

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