

Converting Colors

XYZ(77.9636, 89.8911,
106.7965)

Have a look what the booklet for
XYZ(77.9636, 89.8911, 106.7965)
contains.

XYZ(77.8766, 89.7557, 106.9860)	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(77.8766, 89.7557,
106.9860)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFCFE
RGB	205, 252, 254
RGB Percent	80%, 99%, 100%
CMY	0.1961, 0.0117, 0.0039
CMYK	0.19, 0.01, 0.00, 0.00
HSL	182°, 96%, 90%
HSV	182°, 19%, 100%
XYZ	77.8766, 89.7557, 106.9860
YIQ	238.1750, -28.6540, -9.3420

Conversions

Conversions Part 2

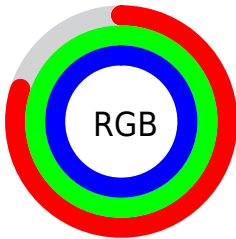
Format	Color
R _Y B	205, 229, 254
Decimal	13499646
CIE Lab	95.90, -14.44, -5.91
CIE LCh	96, 15.599, 202.259
Yxy	89.7557, 0.2836, 0.3268
Android (android.graphics.Color)	4291689726 (0xFFCDFCFE)
YUV	238.1750, 7.8017, -29.0945
Hunter-Lab	94.7395, -19.0657, -0.6365

Details

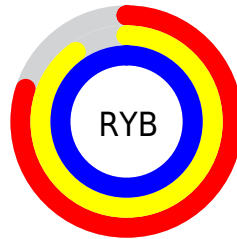
The XYZ color **77.8766, 89.7557, 106.9860** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2061, 70.1043, 67.3796**, and the grayscale version is **81.3630, 85.6002, 93.2186**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1708, 49.5455, 60.1639** is the 20% darker color. If you saturate the color by 10%, you get **71.1074, 85.7872, 106.5782**, and if you desaturate by 10%, it is **85.7901, 94.3215, 107.4516**.

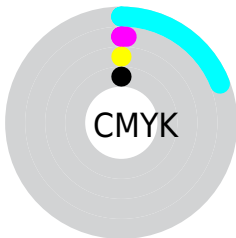
Distribution



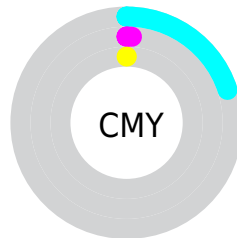
- Red (80%)
- Green (99%)
- Blue (100%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8766, 89.7557, 106.9860 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 77.8766, 89.7557, 106.9860 by changing the saturation by 10% instead.

77.8766, 89.7557,
106.9860

77.8766, 89.7557,
106.9860

476.5939,
527.2358, 603.8026

58.2750, 67.7780,
81.4982

129.3424,
146.9990, 172.8602

42.2739, 49.7172,
60.4186

161.9374,
183.0334, 214.0837

29.5079, 35.1887,
43.3286

199.5943,
224.5223, 261.3896

19.6116, 23.8083,
29.8097

242.6784,
271.8498, 315.1963

12.2196, 15.1915,
19.4434

291.5550,
325.4006, 375.9224

6.9667, 8.9539,
11.8111

346.5896,

3.4874, 4.7111,

385.5589, 443.9865

6.4942

408.1474,
452.7092, 519.8070

■ 1.4165, 2.0788,
3.0742

■ 0.2679, 0.6527,
1.1327

■ 77.8766, 89.7557,
106.9860

■ 77.8766, 89.7557,
106.9860

■ 71.1074, 85.7872,
106.5782

■ 85.7901, 94.3215,
107.4516

■ 65.4201, 82.3766,
106.2197

94.5953, 99.3472,
107.9576

■ 60.7577, 79.4971,
105.9096

94.8897, 99.9359,
108.0557

■ 57.0553, 77.1151,
105.6450

■ 54.2405, 75.1933,
105.4224

■ 52.2305, 73.6889,
105.2380

■ 50.9269, 72.5513,
105.0871

■ 50.1802, 71.7035,
104.9628

■ 50.1356, 71.6478,
104.9544

Harmonies

Analogous

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



77.3683, 89.7557, 94.5702



77.8766, 89.7557, 106.9860



80.3432, 89.7557, 117.6989

Triad

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



77.8766, 89.7557, 106.9860



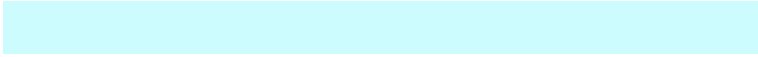
92.0245, 89.7557, 112.9688



86.4299, 89.7557, 76.0708

Complementary

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



77.8766, 89.7557, 106.9860



74.2061, 70.1043, 67.3796

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.



90.4776, 89.7557, 80.1557



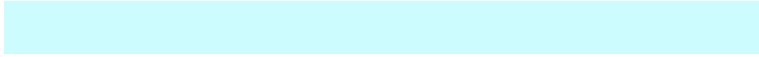
77.8766, 89.7557, 106.9860



93.7776, 89.7557, 100.9567

Square

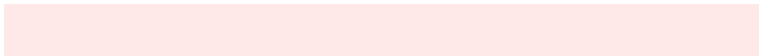
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8766, 89.7557, 106.9860



88.4840, 89.7557, 121.3505



93.2022, 89.7557, 89.0214



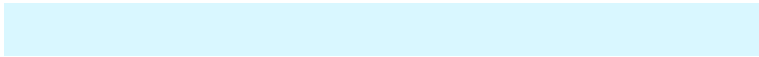
82.2130, 89.7557, 77.3903

Rectangle

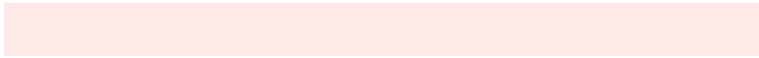
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



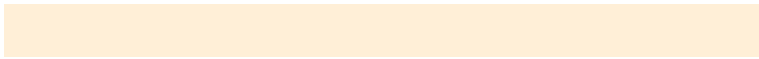
77.8766, 89.7557, 106.9860



82.8126, 89.7557, 122.0903



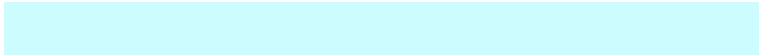
93.2022, 89.7557, 89.0214



87.8573, 89.7557, 76.8446

Sweetspot

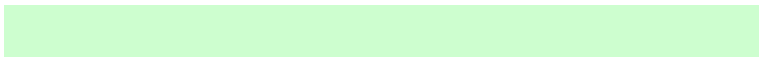
The Sweet Spot groups the original color and five complimentary colors.



77.8792, 89.7594, 106.9880



89.4448, 96.8157, 108.5808



71.8379, 88.3514, 72.0656



19.0200, 20.6513, 23.2336



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

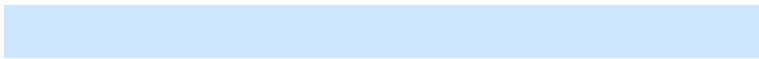
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8792, 89.7594, 106.9880



75.9084, 89.0074, 107.7871



70.7745, 75.5500, 104.6198



18.4877, 20.3470, 23.2029



26.4594, 37.8284, 55.3416



2.5952, 3.7211, 5.3947

Inverse Universe

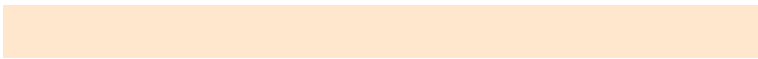
The Inverse Universe completely reimagines the original color for something new.



80.2771, 71.7636, 101.7204



78.7265, 67.9650, 101.5724



80.5073, 82.7067, 69.4800



18.7588, 18.2868, 22.6130



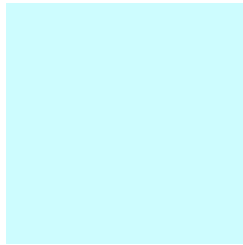
30.1437, 14.5468, 46.2685



2.9445, 1.4202, 4.5553

Previews

White Background



This preview shows how the XYZ color 77.8766, 89.7557, 106.9860 looks on a white background.

Color Contrast Check

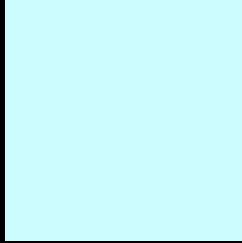
Large Text (above 18pt) WCAG AA × Fail

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 77.8766, 89.7557, 106.9860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

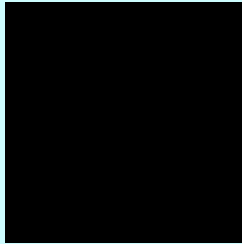
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8766, 89.7557, 106.9860

Background



This preview shows how black text looks on a background with the XYZ color 77.8766, 89.7557, 106.9860.

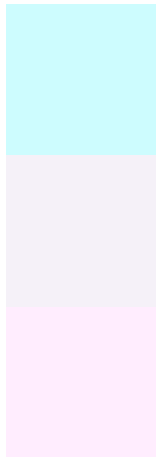


This preview shows how white text looks on a background with the XYZ color 77.8766, 89.7557,

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

77.8766, 89.7557, 106.9860

Protanopia

86.0548, 89.1004, 101.4695

Deuteranopia

89.4136, 88.9841, 106.2290



Tritanopia

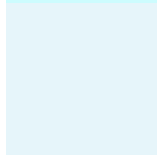
83.0007, 89.6255, 107.5326

Trichromacy



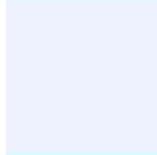
Original Color

77.8766, 89.7557, 106.9860



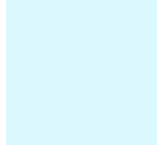
Protanomaly

82.5409, 89.0299, 103.2766



Deuteranomaly

84.5666, 88.6645, 106.4228



Tritanomaly

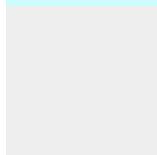
81.1326, 89.5704, 107.6204

Monochromacy



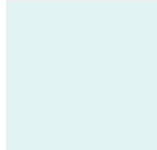
Original Color

77.8766, 89.7557, 106.9860



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.7438, 86.8016, 98.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8766, 89.7557, 106.9860 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(205, 252, 254)` looks like.

```
.text, #text, p{  
    color:rgb(205, 252, 254)  
}
```

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(205, 252, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 252, 254) }
```

Border

The CSS property to change the border of an element to XYZ 77.8766, 89.7557, 106.9860 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(205, 252, 254) }
```


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

```
.border{ border-color:rgb(205, 252, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 252, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 252, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 252, 254);  
box-shadow:4px 4px 4px 4px rgb(205, 252,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8766, 89.7557, 106.9860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 252, 254) }
```

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

```
.background{ background-color: rgb(205,  
252, 254) }
```

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