

Converting Colors

XYZ(77.6543, 88.6382,
107.6204)

Have a look what the booklet for
XYZ(77.6543, 88.6382, 107.6204)
contains.

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Color

**XYZ(77.6892, 88.7130,
107.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFAFF
RGB	206, 250, 255
RGB Percent	81%, 98%, 100%
CMY	0.1921, 0.0196, 0.0000
CMYK	0.19, 0.02, 0.00, 0.00
HSL	186°, 100%, 90%
HSV	186°, 19%, 100%
XYZ	77.6892, 88.7130, 107.6364
YIQ	237.4140, -27.8290, -7.7730

Conversions

Conversions Part 2

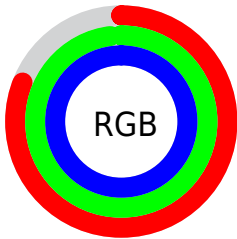
Format	Color
R _Y B	206, 229, 255
Decimal	13564671
CIE Lab	95.46, -12.94, -7.06
CIE LCh	95, 14.738, 208.625
Yxy	88.7130, 0.2835, 0.3237
Android (android.graphics.Color)	4291754751 (0xFFCEFAFF)
YUV	237.4140, 8.6699, -27.5501
Hunter-Lab	94.1876, -17.5952, -1.8246

Details

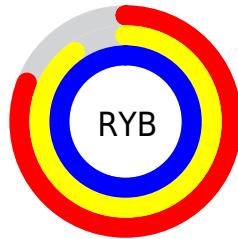
The XYZ color **77.6892, 88.7130, 107.6364** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6746, 72.3038, 68.3618**, and the grayscale version is **80.7678, 84.9740, 92.5367**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0255, 48.7965, 60.6298** is the 20% darker color. If you saturate the color by 10%, you get **70.3745, 83.7535, 107.0647**, and if you desaturate by 10%, it is **86.1681, 94.2939, 108.2667**.

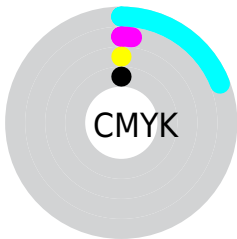
Distribution



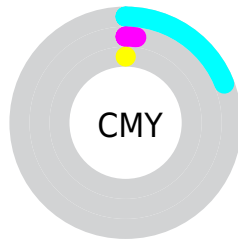
- Red (81%)
- Green (98%)
- Blue (100%)



- Red (81%)
- Yellow (90%)
- Blue (100%)



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6892, 88.7130, 107.6364 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 77.6892, 88.7130, 107.6364 by changing the saturation by 10% instead.

77.6892, 88.7130,
107.6364

77.6892, 88.7130,
107.6364

475.9666,
523.8353, 605.8625

58.1206, 66.9137,
82.0408

129.0796,
145.5494, 173.7555

42.1492, 49.0145,
60.8632

161.6321,
181.3553, 215.1161

29.4098, 34.6310,
43.6849

199.2432,
222.5989, 262.5688

19.5369, 23.3788,
30.0875

242.2784,
269.6645, 316.5321

12.1652, 14.8734,
19.6524

291.1030,
322.9365, 377.4246

6.9293, 8.7306,
11.9611

346.0824,

3.4638, 4.5659,

382.7994, 445.6648

6.5950

407.5818,
449.6376, 521.6713

■ 1.4035, 1.9949,
3.1355

■ 0.2587, 0.6045,
1.1642

■ 77.6892, 88.7130,
107.6364

■ 77.6892, 88.7130,
107.6364

■ 70.3745, 83.7535,
107.0647

■ 86.1681, 94.2939,
108.2667

■ 64.1618, 79.3762,
106.5472

95.0500, 100.0000,
108.9000

■ 58.9934, 75.5537,
106.0818

■ 54.8037, 72.2521,
105.6653

■ 51.5195, 69.4335,
105.2944

■ 49.0573, 67.0549,
104.9650

■ 47.3180, 65.0651,
104.6726

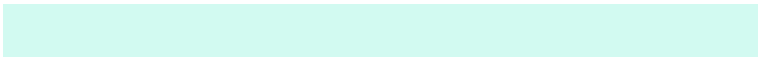
■ 46.1521, 63.3869,
104.4102

■ 46.0705, 63.2610,
104.3902

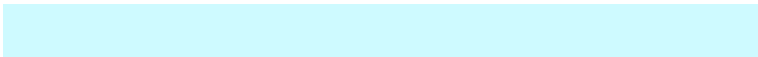
Harmonies

Analogous

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



76.7967, 88.7130, 96.0610



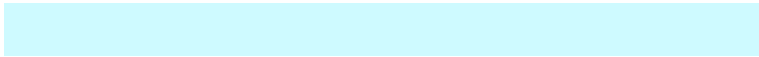
77.6892, 88.7130, 107.6364



80.3430, 88.7130, 116.8375

Triad

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



77.6892, 88.7130, 107.6364



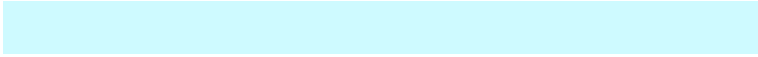
91.1195, 88.7130, 108.6324



84.5054, 88.7130, 76.0354

Complementary

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



77.6892, 88.7130, 107.6364



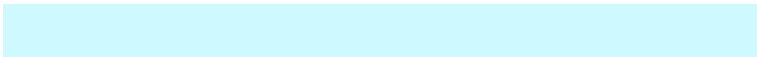
75.6746, 72.3038, 68.3618

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.



88.4241, 88.7130, 78.8341



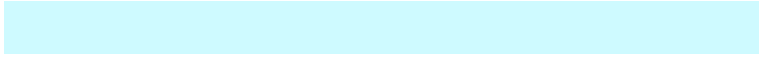
77.6892, 88.7130, 107.6364



92.3173, 88.7130, 97.1277

Square

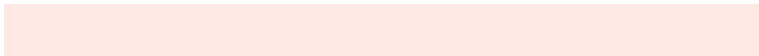
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6892, 88.7130, 107.6364



88.0916, 88.7130, 117.4441



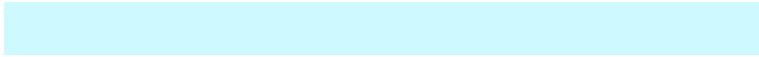
91.3157, 88.7130, 86.3327



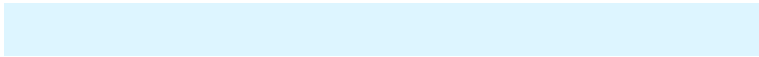
80.6558, 88.7130, 78.3692

Rectangle

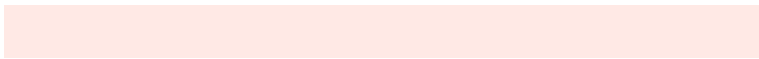
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



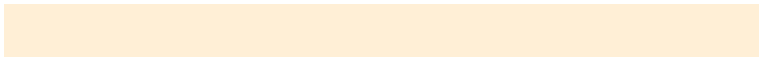
77.6892, 88.7130, 107.6364



82.7977, 88.7130, 120.0604



91.3157, 88.7130, 86.3327



85.8589, 88.7130, 76.4027

Sweetspot

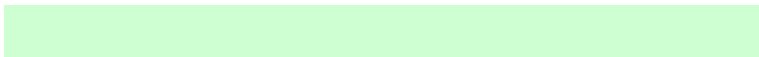
The Sweet Spot groups the original color and five complimentary colors.



77.6915, 88.7165, 107.6370



89.1478, 96.2217, 108.4818



72.9600, 89.3405, 74.9630



18.9495, 20.5104, 23.2101



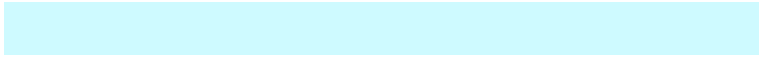
0.0000, 0.0000, 0.0000



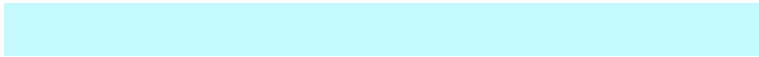
20.3446, 21.4041, 23.3091

Same Dimension

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



77.6915, 88.7165, 107.6370



74.7883, 86.7671, 107.4137



70.5925, 74.5185, 105.2706



18.3873, 20.1463, 23.1694



24.1371, 33.1838, 54.5675



2.3939, 3.3185, 5.3276

Inverse Universe

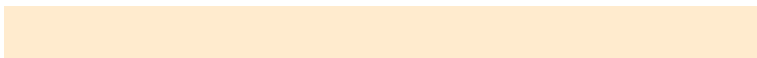
The Inverse Universe completely reimagines the original color for something new.



80.5681, 72.3064, 100.1567



78.1611, 67.7388, 98.5950



82.2042, 85.3630, 70.5383



18.7082, 18.2666, 22.3462



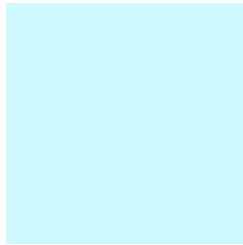
28.9715, 14.0779, 40.0959



2.8429, 1.3795, 4.0203

Previews

White Background



This preview shows how the XYZ color 77.6892, 88.7130, 107.6364 looks on a white background.

Color Contrast Check

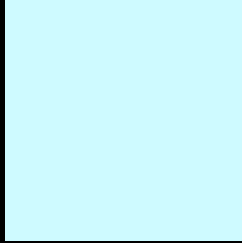
Large Text (above 18pt) WCAG AA × Fail

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 77.6892, 88.7130, 107.6364 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 77.6892, 88.7130, 107.6364

Background



This preview shows how black text looks on a background with the XYZ color 77.6892, 88.7130, 107.6364.

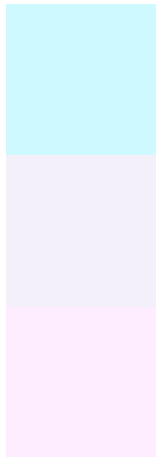


This preview shows how white text looks on a background with the XYZ color 77.6892, 88.7130,

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

77.6892, 88.7130, 107.6364

Protanopia

85.2211, 88.2144, 102.1580

Deuteranopia

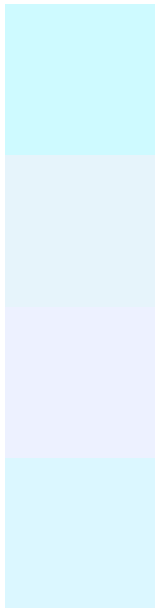
88.9185, 88.2817, 106.9613



Tritanopia

82.0664, 88.6936, 107.4019

Trichromacy



Original Color

77.6892, 88.7130, 107.6364

Protanomaly

82.3964, 88.4894, 104.0042

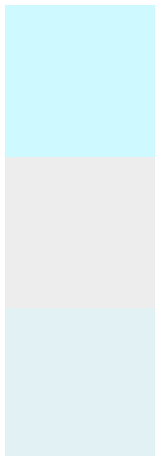
Deuteranomaly

84.4303, 88.1351, 107.1696

Tritanomaly

80.5242, 88.8016, 107.5041

Monochromacy



Original Color

77.6892, 88.7130, 107.6364

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.4453, 86.2047, 98.0399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6892, 88.7130, 107.6364 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(206, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 250, 255)  
}
```

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(206, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.6892, 88.7130, 107.6364 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(206, 250, 255) }
```


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

```
.border{ border-color:rgb(206, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6892, 88.7130, 107.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 250, 255) }
```

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

```
.background{ background-color: rgb(206,  
250, 255) }
```

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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