

Converting Colors

XYZ(72.3377, 81.8596,
106.5956)

Have a look what the booklet for
XYZ(72.3377, 81.8596, 106.5956)
contains.

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Color

**XYZ(72.2702, 81.8664,
106.6005)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F1FF
RGB	196, 241, 255
RGB Percent	77%, 95%, 100%
CMY	0.2314, 0.0549, 0.0000
CMYK	0.23, 0.05, 0.00, 0.00
HSL	194°, 100%, 88%
HSV	194°, 23%, 100%
XYZ	72.2702, 81.8664, 106.6005
YIQ	229.1410, -31.3140, -5.1860

Conversions

Conversions Part 2

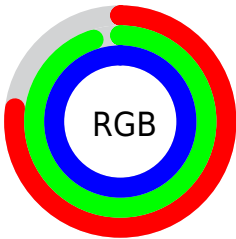
Format	Color
R_{YB}	196, 222, 255
Decimal	12907007
CIE _{Lab}	92.52, -11.38, -11.50
CIE _{LCh}	93, 16.175, 225.296
Yxy	81.8664, 0.2772, 0.3140
Android (android.graphics.Color)	4291097087 (0xFFC4F1FF)
YUV	229.1410, 12.7485, -29.0647
Hunter-Lab	90.4801, -15.7647, -6.5174

Details

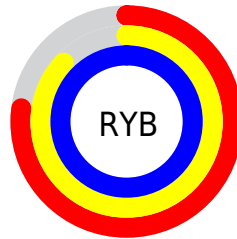
The XYZ color **72.2702, 81.8664, 106.6005** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2501, 71.3377, 62.0822**, and the grayscale version is **74.5074, 78.3876, 85.3641**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **38.5265, 44.4379, 59.9729** is the 20% darker color. If you saturate the color by 10%, you get **64.4321, 75.2136, 105.7295**, and if you desaturate by 10%, it is **81.2993, 89.2257, 107.5451**.

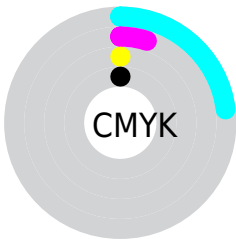
Distribution



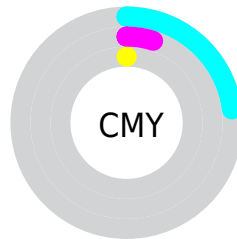
- Red (77%)
- Green (95%)
- Blue (100%)



- Red (77%)
- Yellow (87%)
- Blue (100%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2702, 81.8664, 106.6005 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 72.2702, 81.8664, 106.6005 by changing the saturation by 10% instead.

72.2702, 81.8664,
106.6005

72.2702, 81.8664,
106.6005

457.6246,
501.2007, 602.5800

53.6657, 61.2554,
81.1767

121.4493,
135.9866, 172.3293

38.5640, 44.4313,
60.1553

152.7547,
170.2647, 213.4714

26.6000, 31.0097,
43.1177

189.0243,
209.8672, 260.6901

17.4080, 20.6063,
29.6454

230.6236,
255.1786, 314.4038

10.6229, 12.8365,
19.3198

277.9179,
306.5832, 375.0311

5.8793, 7.3161,
11.7225

331.2726,

2.8118, 3.6605,

364.4655, 442.9905

6.4347

391.0530,
429.2099, 518.7006

■ 1.0550, 1.4855,
3.0382

■ 0.0000, 0.2785,
1.1142

■ 72.2702, 81.8664,
106.6005

■ 72.2702, 81.8664,
106.6005

■ 64.4321, 75.2136,
105.7295

■ 81.2993, 89.2257,
107.5451

■ 57.7211, 69.2271,
104.9277

■ 91.5665, 97.3102,
108.5644

■ 52.0767, 63.8771,
104.1925

■ 95.0500, 100.0000,
108.9000

■ 47.4300, 59.1271,
103.5206

■ 43.7038, 54.9365,
102.9081

■ 40.8086, 51.2582,
102.3507

■ 38.6360, 48.0354,
101.8432

■ 37.4555, 46.0311,
101.5185

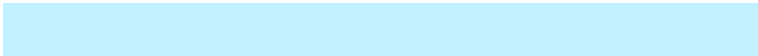
Harmonies

Analogous

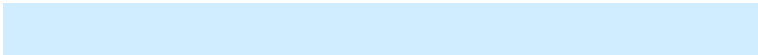
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2821, 81.8664, 95.3777



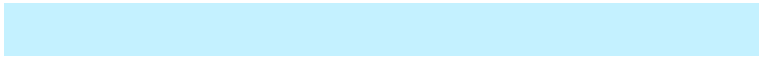
72.2702, 81.8664, 106.6005



75.7806, 81.8664, 113.4219

Triad

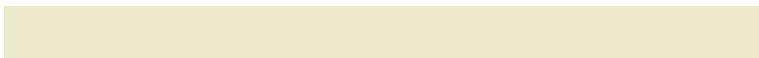
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2702, 81.8664, 106.6005



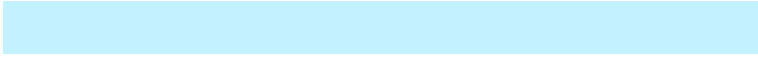
85.8836, 81.8664, 95.1362



75.7013, 81.8664, 68.6470

Complementary

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



72.2702, 81.8664, 106.6005



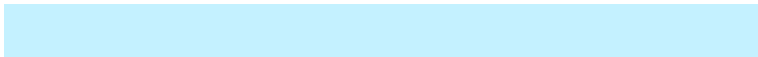
74.2501, 71.3377, 62.0822

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.



79.8785, 81.8664, 68.5950



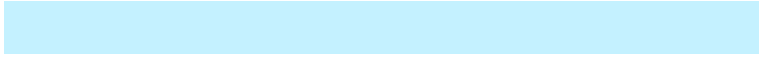
72.2702, 81.8664, 106.6005



85.8605, 81.8664, 83.1777

Square

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



72.2702, 81.8664, 106.6005



83.6912, 81.8664, 106.4100



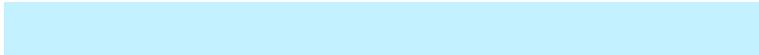
83.6292, 81.8664, 73.6960



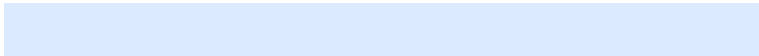
72.2140, 81.8664, 73.8451

Rectangle

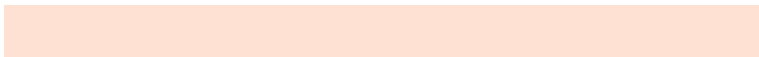
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2702, 81.8664, 106.6005



78.5591, 81.8664, 114.1968



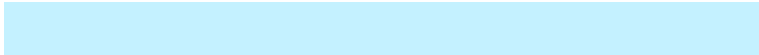
83.6292, 81.8664, 73.6960



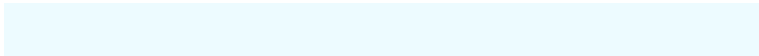
77.0688, 81.8664, 68.0436

Sweetspot

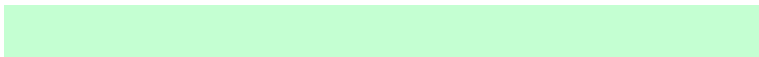
The Sweet Spot groups the original color and five complimentary colors.



72.2724, 81.8696, 106.6010



87.4492, 94.0984, 108.1615



70.1297, 87.8977, 74.0915



18.5837, 20.0357, 23.1378



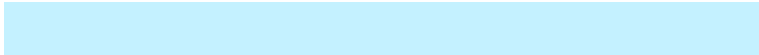
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



72.2724, 81.8696, 106.6010



68.3143, 78.5467, 106.1682



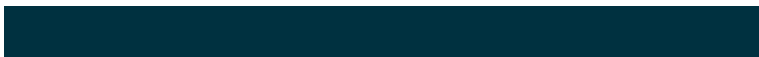
64.2930, 65.9108, 103.9412



18.1682, 19.7081, 23.0964



19.6923, 24.2942, 53.0859



2.0011, 2.5329, 5.1967

Inverse Universe

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



76.8584, 67.0922, 92.1222



73.7394, 61.5518, 88.9315



82.1489, 87.1353, 64.7152



18.5976, 18.2223, 21.7639



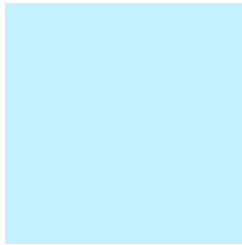
26.7280, 13.1805, 28.2816



2.6447, 1.3002, 2.9763

Previews

White Background



This preview shows how the XYZ color 72.2702, 81.8664, 106.6005 looks on a white background.

Color Contrast Check

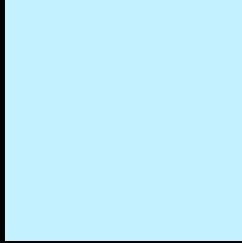
Large Text (above 18pt) WCAG AA × Fail

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 72.2702, 81.8664, 106.6005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

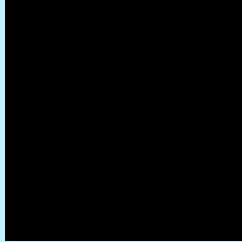
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2702, 81.8664, 106.6005

Background



This preview shows how black text looks on a background with the XYZ color 72.2702, 81.8664, 106.6005.

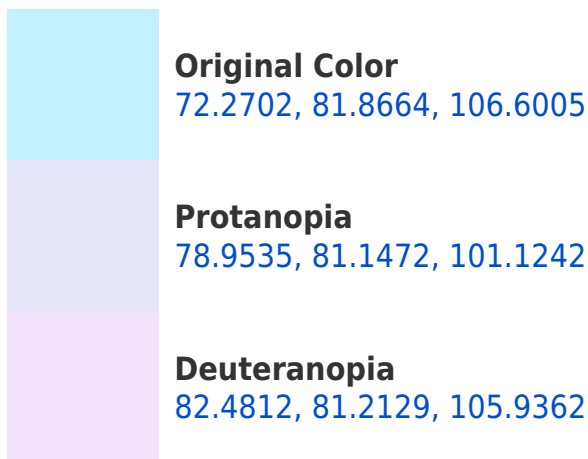


This preview shows how white text looks on a background with the XYZ color 72.2702, 81.8664,

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

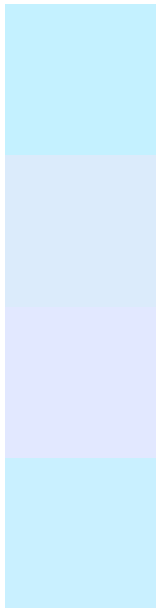




Tritanopia

73.8183, 81.7904, 106.5042

Trichromacy



Original Color

72.2702, 81.8664, 106.6005

Protanomaly

76.3343, 81.4418, 102.9634

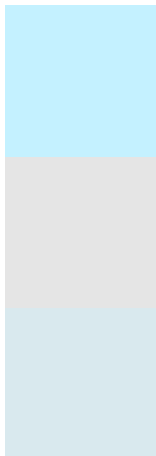
Deuteranomaly

78.2706, 81.1020, 106.1367

Tritanomaly

73.2975, 81.9577, 106.5640

Monochromacy



Original Color

72.2702, 81.8664, 106.6005

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.1868, 79.2026, 92.3192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2702, 81.8664, 106.6005 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(196, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 241, 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(196, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.2702, 81.8664, 106.6005 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(196, 241, 255) }
```


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

```
.border{ border-color:rgb(196, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2702, 81.8664, 106.6005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 241, 255) }
```

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

```
.background{ background-color: rgb(196,  
241, 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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