

Converting Colors

XYZ(71.9751, 81.7358,
104.8455)

Have a look what the booklet for
XYZ(71.9751, 81.7358, 104.8455)
contains.

XYZ(71.9499, 81.7382, 104.9134)	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(71.9499, 81.7382,
104.9134)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F1FD
RGB	196, 241, 253
RGB Percent	77%, 95%, 99%
CMY	0.2314, 0.0549, 0.0078
CMYK	0.23, 0.05, 0.00, 0.01
HSL	193°, 93%, 88%
HSV	193°, 23%, 99%
XYZ	71.9499, 81.7382, 104.9134
YIQ	228.9130, -30.6720, -5.8080

Conversions

Conversions Part 2

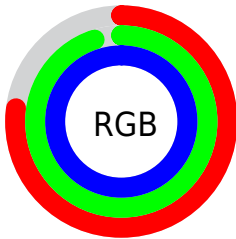
Format	Color
R _Y B	196, 221, 253
Decimal	12907005
CIE _{Lab}	92.46, -11.81, -10.54
CIE _{LCh}	92, 15.829, 221.753
Y _{xy}	81.7382, 0.2782, 0.3161
Android (android.graphics.Color)	4291097085 (0xFFC4F1FD)
Y _{UV}	228.9130, 11.8749, -28.8647
Hunter-Lab	90.4092, -16.1613, -5.5154

Details

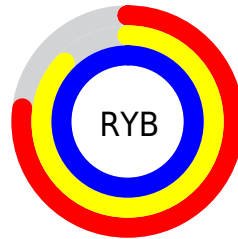
The XYZ color **71.9499, 81.7382, 104.9134** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0286, 69.9803, 61.8849**, and the grayscale version is **74.3458, 78.2176, 85.1789**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **38.2973, 44.3462, 58.7657** is the 20% darker color. If you saturate the color by 10%, you get **64.3631, 75.5231, 104.1150**, and if you desaturate by 10%, it is **80.6973, 88.6241, 105.7828**.

Distribution



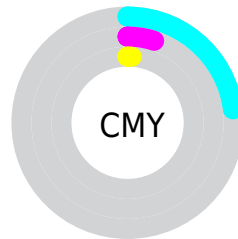
- Red (77%)
- Green (95%)
- Blue (99%)



- Red (77%)
- Yellow (87%)
- Blue (99%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (23%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9499, 81.7382, 104.9134 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 71.9499, 81.7382, 104.9134 by changing the saturation by 10% instead.

71.9499, 81.7382,
104.9134

71.9499, 81.7382,
104.9134

456.5275,
500.7716, 597.2139

53.4031, 61.1498,
79.7706

120.9965,
135.8068, 170.0036

38.3534, 44.3460,
59.0045

152.2270,
170.0558, 210.7881

26.4355, 30.9426,
42.1967

188.4160,
209.6270, 257.6235

17.2841, 20.5552,
28.9286

229.9290,
254.9050, 310.9285

10.5338, 12.7992,
18.7817

277.1313,
306.2740, 371.1214

5.8193, 7.2905,
11.3375

330.3882,

2.7751, 3.6444,

364.1185, 438.6210

6.1773

390.0652,
428.8229, 513.8456

■ 1.0360, 1.4767,
2.8826

■ 0.0000, 0.2722,
1.0350

■ 71.9499, 81.7382,
104.9134

■ 71.9499, 81.7382,
104.9134

■ 64.3631, 75.5231,
104.1150

■ 80.6973, 88.6241,
105.7828

■ 57.8736, 69.9395,
103.3793

■ 90.6501, 96.1983,
106.7202

■ 52.4230, 64.9587,
102.7052

■ 94.7299, 99.8720,
107.2143

■ 47.9444, 60.5456,
102.0894

■ 44.3626, 56.6609,
101.5284

■ 41.5910, 53.2594,
101.0179

■ 39.5251, 50.2865,
100.5529

■ 38.3265, 48.2851,
100.2298

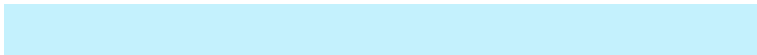
Harmonies

Analogous

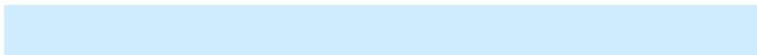
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2169, 81.7382, 93.6823



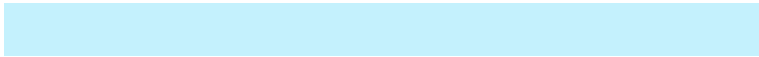
71.9499, 81.7382, 104.9134



75.2448, 81.7382, 112.2349

Triad

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



71.9499, 81.7382, 104.9134



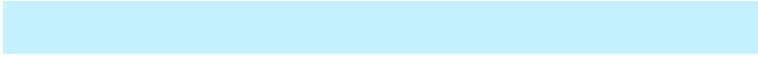
85.4279, 81.7382, 96.2650



76.0934, 81.7382, 68.6552

Complementary

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



71.9499, 81.7382, 104.9134



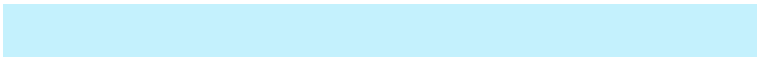
73.0286, 69.9803, 61.8849

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.



80.1870, 81.7382, 69.2142



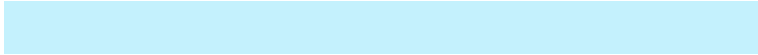
71.9499, 81.7382, 104.9134



85.6747, 81.7382, 84.4745

Square

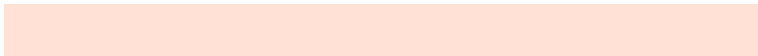
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



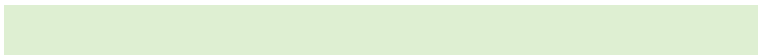
71.9499, 81.7382, 104.9134



83.0641, 81.7382, 106.9468



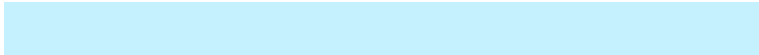
83.7269, 81.7382, 74.7813



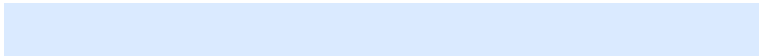
72.5522, 81.7382, 73.1806

Rectangle

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



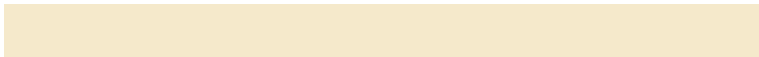
71.9499, 81.7382, 104.9134



77.9313, 81.7382, 113.5543



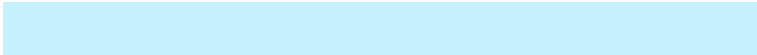
83.7269, 81.7382, 74.7813



77.4486, 81.7382, 68.2663

Sweetspot

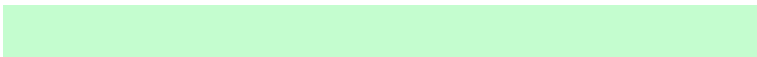
The Sweet Spot groups the original color and five complimentary colors.



71.9523, 81.7415, 104.9153



87.5983, 94.3966, 108.2112



69.2033, 86.5125, 72.3412



18.6183, 20.1049, 23.1493



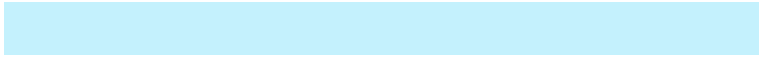
0.0000, 0.0000, 0.0000



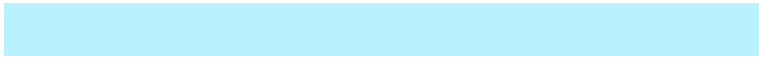
20.3446, 21.4041, 23.3091

Same Dimension

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



71.9523, 81.7415, 104.9153



69.6462, 80.2980, 106.4361



64.3157, 66.4683, 102.3697



18.2112, 19.7941, 23.1108



20.4975, 25.9046, 53.3543



2.0732, 2.6770, 5.2207

Inverse Universe

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



76.1271, 66.7153, 92.0878



74.6344, 62.7626, 91.0156



80.4400, 84.8031, 64.3554



18.6193, 18.2310, 21.8782



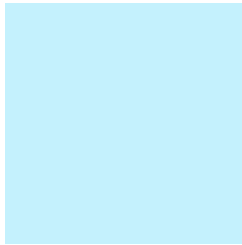
27.1344, 13.3431, 30.4219



2.6810, 1.3148, 3.1678

Previews

White Background



This preview shows how the XYZ color 71.9499, 81.7382, 104.9134 looks on a white background.

Color Contrast Check

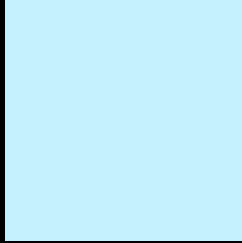
Large Text (above 18pt) WCAG AA × Fail

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 71.9499, 81.7382, 104.9134 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 71.9499, 81.7382, 104.9134

Background



This preview shows how black text looks on a background with the XYZ color 71.9499, 81.7382, 104.9134.

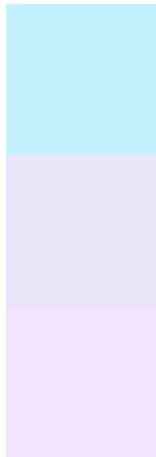


This preview shows how white text looks on a background with the XYZ color 71.9499, 81.7382,

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

71.9499, 81.7382, 104.9134

Protanopia

78.9687, 81.1909, 99.5050

Deuteranopia

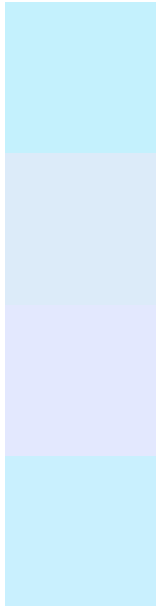
82.8273, 81.3913, 105.9524



Tritanopia

73.8183, 81.7904, 106.5042

Trichromacy



Original Color

71.9499, 81.7382, 104.9134

Protanomaly

76.3224, 81.4719, 101.3256

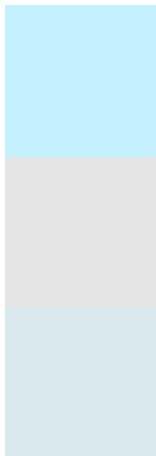
Deuteranomaly

78.4246, 81.1999, 105.3057

Tritanomaly

73.1369, 81.8934, 105.7182

Monochromacy



Original Color

71.9499, 81.7382, 104.9134

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 71.9499, 81.7382, 104.9134 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(196, 241, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 241, 253) }
```

Border

The CSS property to change the border of an element to XYZ 71.9499, 81.7382, 104.9134 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, 253) }
```


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

```
.border{ border-color:rgb(196, 241, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 241, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 241, 253);  
box-shadow:4px 4px 4px 4px rgb(196, 241,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9499, 81.7382, 104.9134 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, 253) }
```

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

```
.background{ background-color: rgb(196,  
241, 253) }
```

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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