

Converting Colors

XYZ(73.0612, 80.7044,
105.7848)

Have a look what the booklet for
XYZ(73.0612, 80.7044, 105.7848)
contains.

XYZ(72.8022, 80.4206, 105.4516)	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(72.8022, 80.4206,
105.4516)**

Conversions

Conversions Part 1

Format	Color
Hex	CBEDFE
RGB	203, 237, 254
RGB Percent	80%, 93%, 100%
CMY	0.2039, 0.0706, 0.0039
CMYK	0.20, 0.07, 0.00, 0.00
HSL	200°, 96%, 90%
HSV	200°, 20%, 100%
XYZ	72.8022, 80.4206, 105.4516
YIQ	228.7720, -25.7210, -1.9210

Conversions

Conversions Part 2

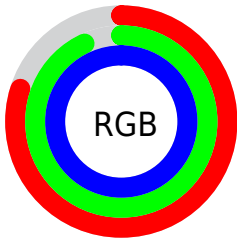
Format	Color
R _Y B	203, 223, 254
Decimal	13364734
CIE Lab	91.87, -7.49, -11.89
CIE LCh	92, 14.051, 237.784
Yxy	80.4206, 0.2814, 0.3109
Android (android.graphics.Color)	4291554814 (0xFFCBE ^D FE)
YUV	228.7720, 12.4374, -22.6020
Hunter-Lab	89.6775, -12.0254, -6.9447

Details

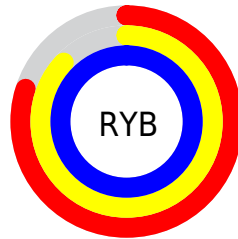
The XYZ color **72.8022, 80.4206, 105.4516** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.2466, 76.5693, 67.2098**, and the grayscale version is **74.2356, 78.1016, 85.0527**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8147, 43.3749, 59.1498** is the 20% darker color. If you saturate the color by 10%, you get **64.0507, 72.3579, 104.3579**, and if you desaturate by 10%, it is **82.8074, 89.3055, 106.6405**.

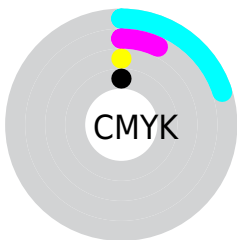
Distribution



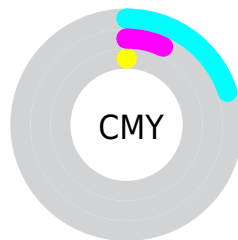
- Red (80%)
- Green (93%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8022, 80.4206, 105.4516 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 72.8022, 80.4206, 105.4516 by changing the saturation by 10% instead.

72.8022, 80.4206,
105.4516

72.8022, 80.4206,
105.4516

459.4434,
496.3492, 598.9285

54.1020, 60.0645,
80.2190

122.2010,
133.9569, 170.7459

38.9142, 43.4706,
59.3713

153.6304,
167.9059, 211.6447

26.8734, 30.2546,
42.4901

190.0335,
207.1547, 258.6027

17.6143, 20.0319,
29.1568

231.7758,
252.0877, 312.0383

10.7714, 12.4182,
18.9529

279.2226,
303.0892, 372.3702

5.9795, 7.0292,
11.4598

332.7392,

2.8732, 3.4804,

360.5437, 440.0168

6.2589

392.6910,
424.8356, 515.3967

■ 1.0870, 1.3874,
2.9318

■ 0.0142, 0.2074,
1.0599

■ 72.8022, 80.4206,
105.4516

■ 72.8022, 80.4206,
105.4516

■ 64.0507, 72.3579,
104.3579

■ 82.8074, 89.3055,
106.6405

■ 56.4891, 65.0761,
103.3509

■ 94.1121, 99.0323,
107.9222

■ 50.0584, 58.5442,
102.4291

■ 94.8896, 99.9359,
108.0556

■ 44.6914, 52.7254,
101.5888

■ 40.3133, 47.5784,
100.8261

■ 36.8386, 43.0568,
100.1365

■ 34.1657, 39.1053,
99.5146

■ 32.1424, 35.6614,
98.9565

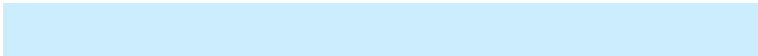
Harmonies

Analogous

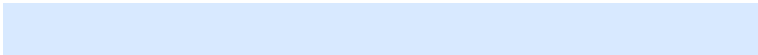
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4689, 80.4206, 97.1453



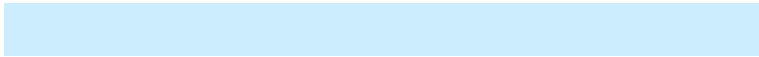
72.8022, 80.4206, 105.4516



76.1697, 80.4206, 108.9309

Triad

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



72.8022, 80.4206, 105.4516



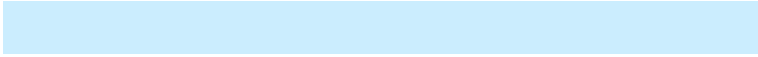
83.5732, 80.4206, 88.3339



73.2524, 80.4206, 71.1534

Complementary

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



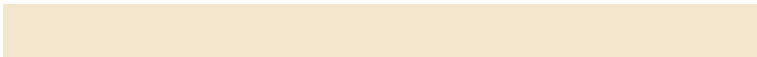
72.8022, 80.4206, 105.4516



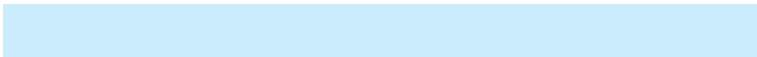
77.2466, 76.5693, 67.2098

Split Complementary

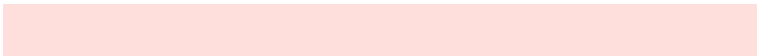
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7056, 80.4206, 69.1921



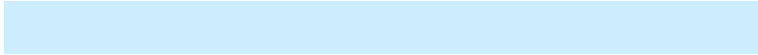
72.8022, 80.4206, 105.4516



82.7336, 80.4206, 78.6350

Square

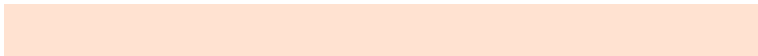
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8022, 80.4206, 105.4516



82.4515, 80.4206, 98.5766



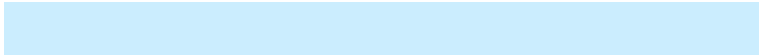
80.1916, 80.4206, 71.8237



70.7230, 80.4206, 77.4044

Rectangle

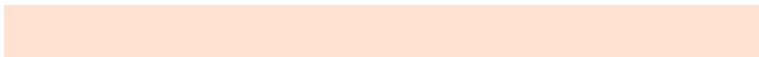
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8022, 80.4206, 105.4516



78.5736, 80.4206, 107.8547



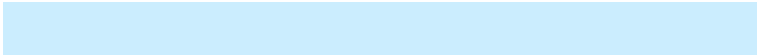
80.1916, 80.4206, 71.8237



74.3402, 80.4206, 69.9931

Sweetspot

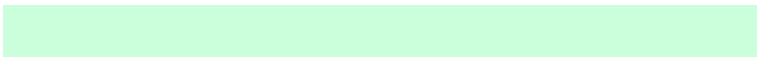
The Sweet Spot groups the original color and five complimentary colors.



72.8046, 80.4239, 105.4534



88.0382, 94.0024, 108.1119



72.8780, 88.7041, 80.4037



18.6867, 19.9847, 23.1225



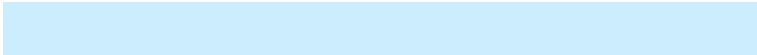
0.0000, 0.0000, 0.0000



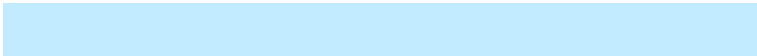
20.3446, 21.4041, 23.3091

Same Dimension

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



72.8046, 80.4239, 105.4534



69.8417, 77.8526, 105.9537



66.1508, 67.1163, 103.2355



18.0149, 19.4015, 23.0453



17.0869, 19.0835, 52.2175



1.7642, 2.0592, 5.1177

Inverse Universe

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



77.5170, 69.8991, 89.5307



75.4254, 65.7299, 87.0088



84.2006, 90.4774, 69.5278



18.5202, 18.1914, 21.3564



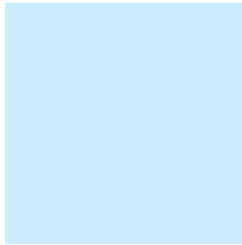
25.4129, 12.6545, 21.3566



2.5251, 1.2524, 2.3467

Previews

White Background



This preview shows how the XYZ color 72.8022, 80.4206, 105.4516 looks on a white background.

Color Contrast Check

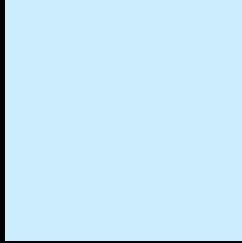
Large Text (above 18pt) WCAG AA × Fail

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 72.8022, 80.4206, 105.4516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

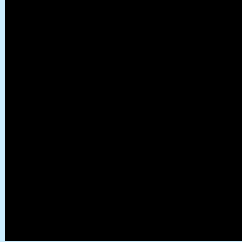
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8022, 80.4206, 105.4516

Background



This preview shows how black text looks on a background with the XYZ color 72.8022, 80.4206, 105.4516.

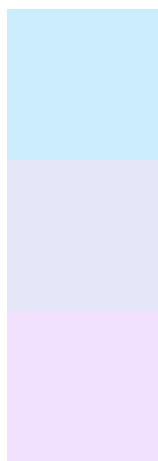


This preview shows how white text looks on a background with the XYZ color 72.8022, 80.4206,

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

72.8022, 80.4206, 105.4516

Protanopia

78.0288, 80.2562, 101.0010

Deuteranopia

81.2508, 79.7712, 105.7227



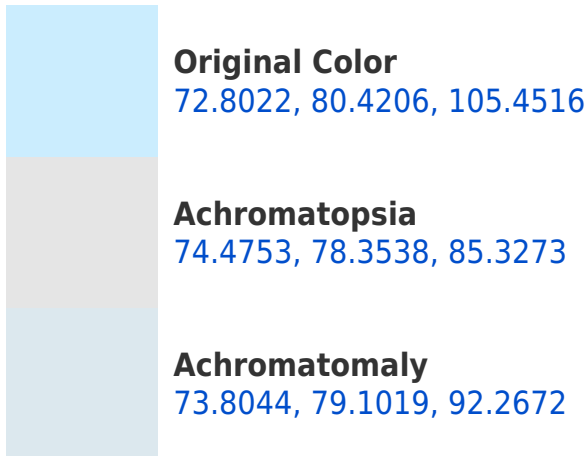
Tritanopia

73.2360, 80.6257, 106.3101

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8022, 80.4206, 105.4516 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(203, 237, 254)` looks like.

```
.text, #text, p{  
    color:rgb(203, 237, 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(203, 237, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 237, 254) }
```

Border

The CSS property to change the border of an element to XYZ 72.8022, 80.4206, 105.4516 is called "border". The border property can be set on classes, ids or directly on the HTML element.

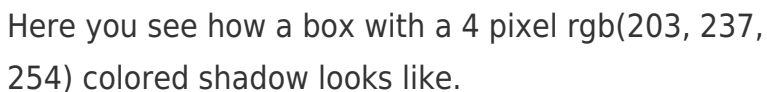
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 237, 254) }
```


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

```
.border{ border-color:rgb(203, 237, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 237, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 237, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 237, 254); box-shadow:4px 4px 4px 4px rgb(203, 237, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8022, 80.4206, 105.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 237, 254) }
```

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

```
.background{ background-color: rgb(203,  
237, 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](#).

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