

Converting Colors

XYZ(72.9221, 83.7264,
106.9251)

Have a look what the booklet for
XYZ(72.9221, 83.7264, 106.9251)
contains.

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Color

**XYZ(72.9064, 83.5235,
106.8868)**

Conversions

Conversions Part 1

Format	Color
Hex	C3F4FF
RGB	195, 244, 255
RGB Percent	76%, 96%, 100%
CMY	0.2353, 0.0431, 0.0000
CMYK	0.24, 0.04, 0.00, 0.00
HSL	191°, 100%, 88%
HSV	191°, 24%, 100%
XYZ	72.9064, 83.5235, 106.8868
YIQ	230.6030, -32.7350, -6.9670

Conversions

Conversions Part 2

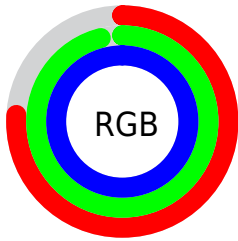
Format	Color
R_{YB}	195, 222, 255
Decimal	12842239
CIE Lab	93.24, -13.18, -10.42
CIE LCh	93, 16.800, 218.335
Yxy	83.5235, 0.2769, 0.3172
Android (android.graphics.Color)	4291032319 (0xFFC3F4FF)
YUV	230.6030, 12.0277, -31.2238
Hunter-Lab	91.3912, -17.5380, -5.3689

Details

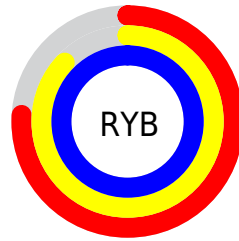
The XYZ color **72.9064, 83.5235, 106.8868** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1616, 69.3421, 61.1599**, and the grayscale version is **75.5935, 79.5302, 86.6084**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **38.9915, 45.6191, 60.1764** is the 20% darker color. If you saturate the color by 10%, you get **65.4840, 77.6381, 106.1420**, and if you desaturate by 10%, it is **81.4940, 90.0667, 107.6972**.

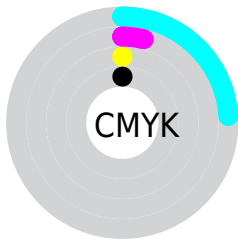
Distribution



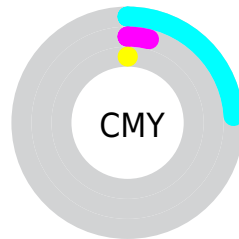
- Red (76%)
- Green (96%)
- Blue (100%)



- Red (76%)
- Yellow (87%)
- Blue (100%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9064, 83.5235, 106.8868 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 72.9064, 83.5235, 106.8868 by changing the saturation by 10% instead.

72.9064, 83.5235,
106.8868

72.9064, 83.5235,
106.8868

459.7992,
506.7296, 603.4881

54.1875, 62.6221,
81.4155

122.3482,
138.3084, 172.7236

38.9829, 45.5356,
60.3508

153.8018,
172.9607, 213.9262

26.9271, 31.8795,
43.2743

190.2310,
212.9655, 261.2096

17.6548, 21.2695,
29.7674

232.0013,
258.7071, 314.9924

10.8006, 13.3211,
19.4116

279.4778,
310.5699, 375.6931

5.9992, 7.6500,
11.7882

333.0261,

2.8853, 3.8718,

368.9383, 443.7303

6.4789

393.0114,
434.1967, 519.5224

■ 1.0934, 1.6021,
3.0649

■ 0.0196, 0.3590,
1.1279

■ 72.9064, 83.5235,
106.8868

■ 72.9064, 83.5235,
106.8868

■ 65.4840, 77.6381,
106.1420

■ 81.4940, 90.0667,
107.6972

■ 59.1628, 72.3708,
105.4585

■ 91.2934, 97.2859,
108.5741

■ 53.8824, 67.6923,
104.8338

95.0500, 100.0000,
108.9000

■ 49.5742, 63.5666,
104.2645

■ 46.1606, 59.9535,
103.7470

■ 43.5520, 56.8064,
103.2770

■ 41.6394, 54.0686,
102.8494

■ 40.6713, 52.4626,
102.5904

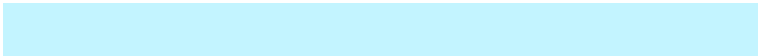
Harmonies

Analogous

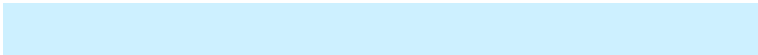
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2727, 83.5235, 94.5161



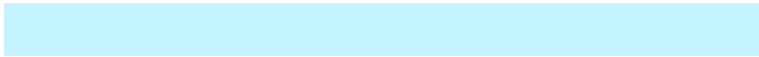
72.9064, 83.5235, 106.8868



76.2908, 83.5235, 115.4847

Triad

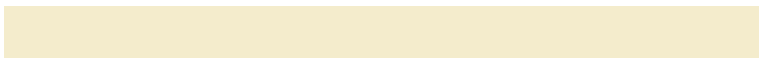
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9064, 83.5235, 106.8868



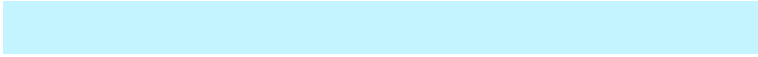
87.5479, 83.5235, 100.2259



78.1613, 83.5235, 68.9278

Complementary

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



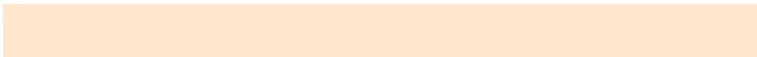
72.9064, 83.5235, 106.8868



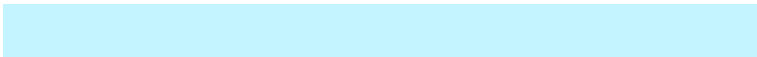
73.1616, 69.3421, 61.1599

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.



82.5650, 83.5235, 70.1504



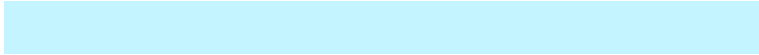
72.9064, 83.5235, 106.8868



88.0940, 83.5235, 87.4609

Square

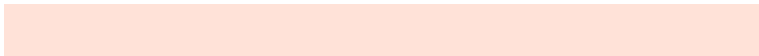
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9064, 83.5235, 106.8868



84.7743, 83.5235, 111.3974



86.2398, 83.5235, 76.6690



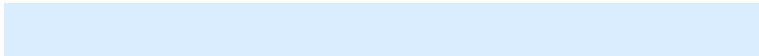
74.2321, 83.5235, 73.1592

Rectangle

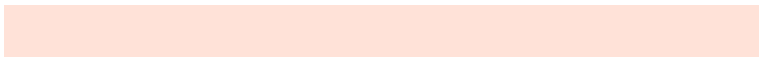
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



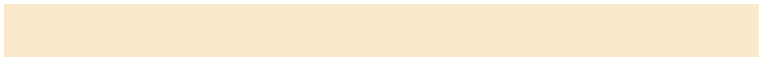
72.9064, 83.5235, 106.8868



79.1399, 83.5235, 117.5001



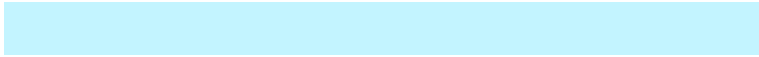
86.2398, 83.5235, 76.6690



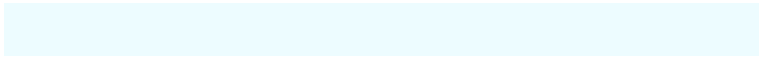
79.6338, 83.5235, 68.7229

Sweetspot

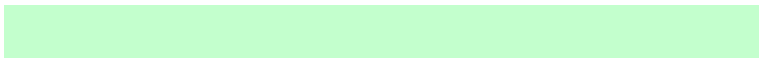
The Sweet Spot groups the original color and five complimentary colors.



72.9086, 83.5268, 106.8873



87.7504, 94.7009, 108.2619



69.2862, 87.5304, 71.0025



18.6537, 20.1755, 23.1611



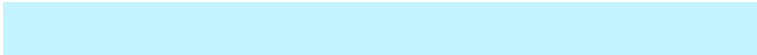
0.0000, 0.0000, 0.0000



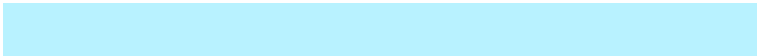
20.3446, 21.4041, 23.3091

Same Dimension

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



72.9086, 83.5268, 106.8873



69.4483, 80.8147, 106.5462



64.8574, 67.4245, 104.2036



18.2552, 19.8819, 23.1254



21.3537, 27.6171, 53.6398



2.1493, 2.8293, 5.2461

Inverse Universe

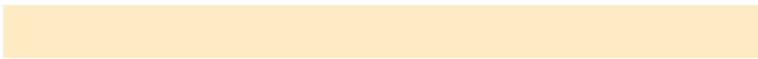
The Inverse Universe completely reimagines the original color for something new.



77.0857, 66.8236, 94.4272



74.3118, 61.7807, 91.9457



80.7993, 84.6175, 63.7058



18.6414, 18.2399, 21.9950



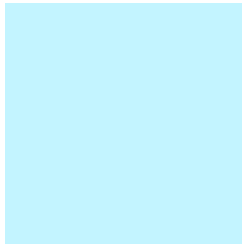
27.5666, 13.5159, 32.6977



2.7195, 1.3302, 3.3701

Previews

White Background



This preview shows how the XYZ color 72.9064, 83.5235, 106.8868 looks on a white background.

Color Contrast Check

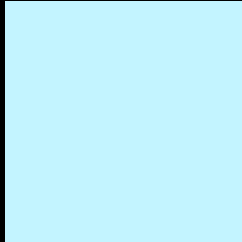
Large Text (above 18pt) WCAG AA × Fail

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 72.9064, 83.5235, 106.8868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

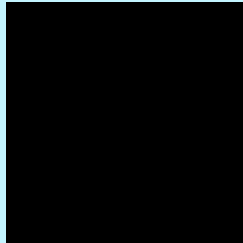
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.9064, 83.5235, 106.8868

Background



This preview shows how black text looks on a background with the XYZ color 72.9064, 83.5235, 106.8868.

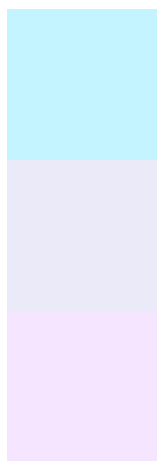


This preview shows how white text looks on a background with the XYZ color 72.9064, 83.5235,

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

72.9064, 83.5235, 106.8868

Protanopia

80.7827, 83.3474, 101.4525

Deuteranopia

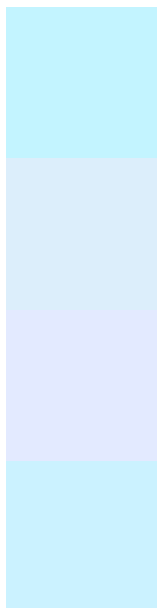
83.7255, 82.6711, 106.1521



Tritanopia

75.5177, 83.5405, 106.7525

Trichromacy



Original Color

72.9064, 83.5235, 106.8868

Protanomaly

77.5023, 83.3297, 103.2662

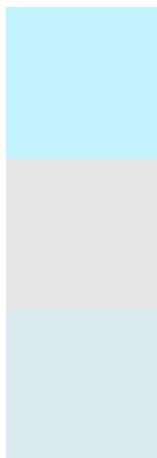
Deuteranomaly

79.1514, 82.3965, 106.3401

Tritanomaly

74.4307, 83.4208, 106.7866

Monochromacy



Original Color

72.9064, 83.5235, 106.8868

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.6371, 81.1876, 94.1751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9064, 83.5235, 106.8868 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(195, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 244, 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(195, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.9064, 83.5235, 106.8868 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(195, 244, 255) }
```


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

```
.border{ border-color:rgb(195, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9064, 83.5235, 106.8868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 244, 255) }
```

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

```
.background{ background-color: rgb(195,  
244, 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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