

Converting Colors

XYZ(67.1034, 67.9720,
119.6077)

Have a look what the booklet for
XYZ(67.1034, 67.9720, 119.6077)
contains.

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Color

**XYZ(64.0889, 66.6506,
104.0947)**

Conversions

Conversions Part 1

Format	Color
Hex	C1D6FF
RGB	193, 214, 255
RGB Percent	76%, 84%, 100%
CMY	0.2431, 0.1608, 0.0000
CMYK	0.24, 0.16, 0.00, 0.00
HSL	220°, 100%, 88%
HSV	220°, 24%, 100%
XYZ	64.0889, 66.6506, 104.0947
YIQ	212.3950, -25.6770, 8.2990

Conversions

Conversions Part 2

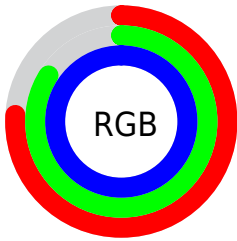
Format	Color
R_{YB}	193, 209, 255
Decimal	12703487
CIE Lab	85.33, 1.69, -22.32
CIE LCh	85, 22.386, 274.337
Yxy	66.6506, 0.2729, 0.2838
Android (android.graphics.Color)	4290893567 (0xFFC1D6FF)
YUV	212.3950, 21.0043, -17.0094
Hunter-Lab	81.6398, -2.7436, -18.4497

Details

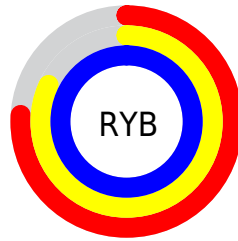
The XYZ color **64.0889, 66.6506, 104.0947** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.2885, 83.9553, 62.4272**, and the grayscale version is **62.7205, 65.9868, 71.8597**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **33.0724, 34.2768, 58.2991** is the 20% darker color. If you saturate the color by 10%, you get **54.0915, 55.4876, 102.4670**, and if you desaturate by 10%, it is **75.6526, 79.2801, 105.9230**.

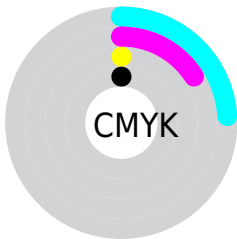
Distribution



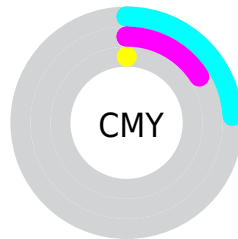
- Red (76%)
- Green (84%)
- Blue (100%)



- Red (76%)
- Yellow (82%)
- Blue (100%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0889, 66.6506, 104.0947 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 64.0889, 66.6506, 104.0947 by changing the saturation by 10% instead.

■ 64.0889, 66.6506,
104.0947

■ 64.0889, 66.6506,
104.0947

429.1077,
448.7001, 594.6008

■ 46.9846, 48.8007,
79.0887

■ 109.8120,
114.4196, 168.8737

■ 33.2314, 34.4614,
58.4470

139.1615,
145.1076, 209.4838

■ 22.4639, 23.2483,
41.7510

173.3235,
180.8436, 256.1324

■ 14.3166, 14.7770,
28.5823

212.6633,
222.0123, 309.2379

■ 8.4244, 8.6630,
18.5222

257.5462,
268.9978, 369.2190

■ 4.4218, 4.5220,
11.1522

308.3377,

■ 1.9434, 1.9697,

322.1847, 436.4942

6.0539

365.4031,
381.9573, 511.4819

■ 0.6019, 0.5898,
2.8085

■ 0.0000, 0.0000,
0.9977

■ 64.0889, 66.6506,
104.0947

■ 64.0889, 66.6506,
104.0947

■ 54.0915, 55.4876,
102.4670

■ 75.6526, 79.2801,
105.9230

■ 45.5838, 45.7269,
101.0314

■ 88.8432, 93.4215,
107.9574

■ 38.4911, 37.3108,
99.7807

95.0500, 100.0000,
108.9000

■ 32.7296, 30.1741,
98.7069

■ 28.2055, 24.2452,
97.8009

■ 24.8117, 19.4441,
97.0531

■ 22.4192, 15.6778,
96.4522

■ 21.4082, 13.9365,
96.1694

Harmonies

Analogous

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



59.2237, 66.6506, 100.7331



64.0889, 66.6506, 104.0947



69.0043, 66.6506, 98.1306

Triad

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



64.0889, 66.6506, 104.0947



71.7382, 66.6506, 57.9452



54.9686, 66.6506, 61.1474

Complementary

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



64.0889, 66.6506, 104.0947



80.2885, 83.9553, 62.4272

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.



58.0122, 66.6506, 51.8866



64.0889, 66.6506, 104.0947



67.6624, 66.6506, 50.2179

Square

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



64.0889, 66.6506, 104.0947



73.5675, 66.6506, 70.4819



62.6156, 66.6506, 48.1563



54.1242, 66.6506, 74.7014

Rectangle

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



64.0889, 66.6506, 104.0947



71.5978, 66.6506, 90.0813



62.6156, 66.6506, 48.1563



55.7602, 66.6506, 57.4912

Sweetspot

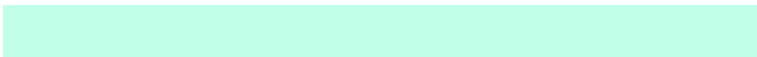
The Sweet Spot groups the original color and five complimentary colors.



64.0908, 66.6532, 104.0951



85.1346, 89.4693, 107.3900



72.5042, 88.7583, 90.6272



18.0476, 18.9634, 22.9590



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.



64.0908, 66.6532, 104.0951



59.2132, 61.2407, 103.3075



61.5598, 57.9601, 102.5506



17.5059, 18.3834, 22.8756



11.3095, 7.5286, 50.2917



1.1975, 0.9258, 4.9288

Inverse Universe

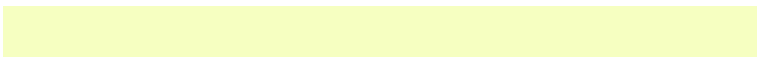
The Inverse Universe completely reimagines the original color for something new.



72.4488, 64.2566, 72.2055



68.9268, 58.7892, 66.1710



83.2870, 94.9091, 64.3835



18.2632, 18.0886, 20.0034



22.4967, 11.4880, 6.0002



2.2391, 1.1380, 0.8404

Previews

White Background



This preview shows how the XYZ color 64.0889, 66.6506, 104.0947 looks on a white background.

Color Contrast Check

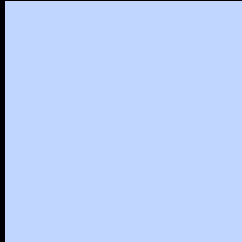
Large Text (above 18pt) WCAG AA × Fail

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 64.0889, 66.6506, 104.0947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

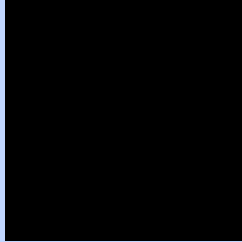
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0889, 66.6506, 104.0947

Background



This preview shows how black text looks on a background with the XYZ color 64.0889, 66.6506, 104.0947.



This preview shows how white text looks on a background with the XYZ color 64.0889, 66.6506,

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

64.0889, 66.6506, 104.0947

Protanopia

65.9257, 66.5177, 102.2931

Deuteranopia

67.7573, 66.3288, 103.8393



Tritanopia

60.7945, 66.4427, 88.2178

Trichromacy



Original Color

64.0889, 66.6506, 104.0947

Protanomaly

65.2523, 66.5221, 103.1668

Deuteranomaly

66.2734, 66.2923, 103.9105

Tritanomaly

61.8181, 66.4697, 93.5762

Monochromacy



Original Color

64.0889, 66.6506, 104.0947

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.9747, 66.1691, 82.8516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0889, 66.6506, 104.0947 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(193, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 214, 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(193, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.0889, 66.6506, 104.0947 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(193, 214, 255) }
```


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

```
.border{ border-color:rgb(193, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0889, 66.6506, 104.0947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 214, 255) }
```

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

```
.background{ background-color: rgb(193,  
214, 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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