

Converting Colors

XYZ(86.0280, 75.2358,
217.4824)

Have a look what the booklet for
XYZ(86.0280, 75.2358, 217.4824)
contains.

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Color

**XYZ(64.3499, 66.4106,
104.0347)**

Conversions

Conversions Part 1

Format	Color
Hex	C3D5FF
RGB	195, 213, 255
RGB Percent	76%, 84%, 100%
CMY	0.2353, 0.1647, 0.0000
CMYK	0.24, 0.16, 0.00, 0.00
HSL	222°, 100%, 88%
HSV	222°, 24%, 100%
XYZ	64.3499, 66.4106, 104.0347
YIQ	212.4060, -24.2100, 9.2460

Conversions

Conversions Part 2

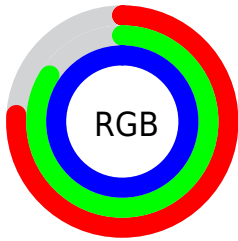
Format	Color
R _Y B	195, 209, 255
Decimal	12834303
CIE Lab	85.21, 2.81, -22.49
CIE LCh	85, 22.669, 277.126
Yxy	66.4106, 0.2741, 0.2828
Android (android.graphics.Color)	4291024383 (0xFFC3D5FF)
YUV	212.4060, 20.9988, -15.2651
Hunter-Lab	81.4927, -1.6615, -18.6455

Details

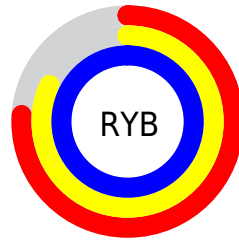
The XYZ color **64.3499, 66.4106, 104.0347** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.3744, 85.7677, 63.8974**, and the grayscale version is **62.7271, 65.9938, 71.8672**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **33.2351, 34.1064, 58.2576** is the 20% darker color. If you saturate the color by 10%, you get **54.0702, 54.8106, 102.3374**, and if you desaturate by 10%, it is **76.2525, 79.5840, 105.9501**.

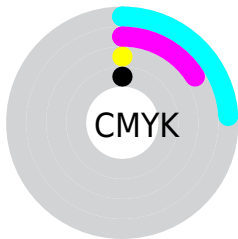
Distribution



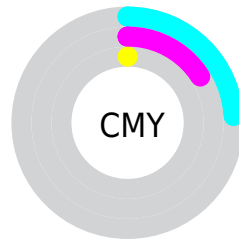
- Red (76%)
- Green (84%)
- Blue (100%)



- 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 64.3499, 66.4106, 104.0347 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 64.3499, 66.4106, 104.0347 by changing the saturation by 10% instead.

■ 64.3499, 66.4106,
104.0347

■ 64.3499, 66.4106,
104.0347

430.0343,
447.8439, 594.4091

■ 47.1969, 48.6058,
79.0387

■ 110.1856,
114.0755, 168.7909

■ 33.3999, 34.3069,
58.4062

139.5990,
144.7043, 209.3882

■ 22.5937, 23.1294,
41.7184

173.8299,
180.3766, 256.0230

■ 14.4128, 14.6891,
28.5569

213.2437,
221.4768, 309.1139

■ 8.4920, 8.6015,
18.5032

258.2056,
268.3892, 369.0795

■ 4.4658, 4.4822,
11.1387

309.0811,

■ 1.9689, 1.9468,

321.4982, 436.3381

6.0449

366.2356,
381.1883, 511.3085

■ 0.6164, 0.5763,
2.8031

■ 0.0000, 0.0000,
0.9950

■ 64.3499, 66.4106,
104.0347

■ 64.3499, 66.4106,
104.0347

■ 54.0702, 54.8106,
102.3374

■ 76.2525, 79.5840,
105.9501

■ 45.3348, 44.7150,
100.8492

■ 89.8408, 94.3808,
108.0899

■ 38.0666, 36.0608,
99.5618

95.0500, 100.0000,
108.9000

■ 32.1793, 28.7770,
98.4662

■ 27.5769, 22.7863,
97.5525

■ 24.1498, 18.0020,
96.8096

■ 21.7672, 14.3242,
96.2253

■ 20.6697, 12.4595,
95.9232

Harmonies

Analogous

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



59.3729, 66.4106, 101.5084



64.3499, 66.4106, 104.0347



69.2490, 66.4106, 97.1880

Triad

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



64.3499, 66.4106, 104.0347



71.2968, 66.4106, 56.5987



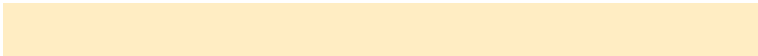
54.4818, 66.4106, 61.8990

Complementary

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



64.3499, 66.4106, 104.0347



81.3744, 85.7677, 63.8974

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.



57.3662, 66.4106, 52.0868



64.3499, 66.4106, 104.0347



67.0242, 66.4106, 49.3276

Square

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



64.3499, 66.4106, 104.0347



73.3980, 66.4106, 68.8698



61.9084, 66.4106, 47.7951



53.8516, 66.4106, 75.8626

Rectangle

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



64.3499, 66.4106, 104.0347



71.7520, 66.4106, 88.7113



61.9084, 66.4106, 47.7951



55.2120, 66.4106, 58.0659

Sweetspot

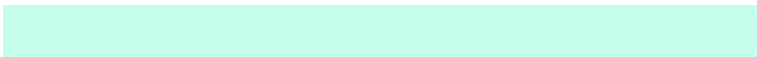
The Sweet Spot groups the original color and five complimentary colors.



64.3518, 66.4132, 104.0351



84.9280, 89.0561, 107.3211



73.4069, 89.1787, 92.7018



17.9998, 18.8679, 22.9431



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.



64.3518, 66.4132, 104.0351



59.5583, 61.0346, 103.2495



63.0200, 59.3736, 102.7465



17.4473, 18.2661, 22.8561



10.9136, 6.7368, 50.1597



1.1534, 0.8374, 4.9141

Inverse Universe

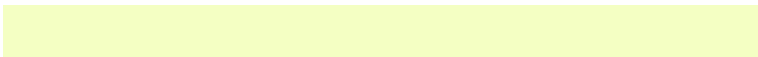
The Inverse Universe completely reimagines the original color for something new.



72.7665, 65.0958, 71.6833



69.3197, 59.7839, 65.6580



82.9191, 94.6934, 65.5388



18.2336, 18.0768, 19.8475



22.2969, 11.4081, 4.9479



2.2168, 1.1291, 0.7229

Previews

White Background



This preview shows how the XYZ color 64.3499, 66.4106, 104.0347 looks on a white background.

Color Contrast Check

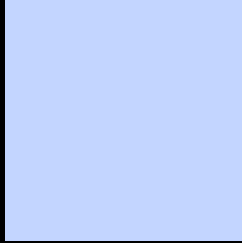
Large Text (above 18pt) WCAG AA × Fail

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 64.3499, 66.4106, 104.0347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

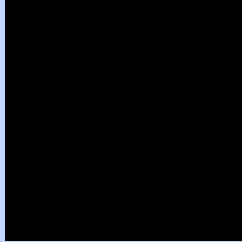
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3499, 66.4106, 104.0347

Background



This preview shows how black text looks on a background with the XYZ color 64.3499, 66.4106, 104.0347.



This preview shows how white text looks on a background with the XYZ color 64.3499, 66.4106,

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

64.3499, 66.4106, 104.0347

Protanopia

65.9257, 66.5177, 102.2931

Deuteranopia

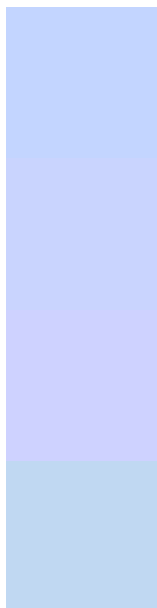
67.7573, 66.3288, 103.8393



Tritanopia

61.1500, 66.6426, 87.4823

Trichromacy



Original Color

64.3499, 66.4106, 104.0347

Protanomaly

65.5203, 66.6602, 103.1794

Deuteranomaly

66.5502, 66.4350, 103.9234

Tritanomaly

62.3211, 66.7290, 93.5997

Monochromacy



Original Color

64.3499, 66.4106, 104.0347

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.0007, 65.8102, 82.7809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3499, 66.4106, 104.0347 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 213, 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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.3499, 66.4106, 104.0347 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, 213, 255) }
```


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

```
.border{ border-color:rgb(195, 213, 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, 213, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3499, 66.4106, 104.0347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 213, 255) }
```

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

```
.background{ background-color: rgb(195,  
213, 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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