

Converting Colors

XYZ(63.0477, 63.3312, 96.5864)

Have a look what the booklet for
XYZ(63.0477, 63.3312, 96.5864)
contains.

XYZ(63.2169, 63.4146, 96.9040)	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(63.2169, 63.4146,
96.9040)**

Conversions

Conversions Part 1

Format	Color
Hex	CACEF7
RGB	202, 206, 247
RGB Percent	79%, 81%, 97%
CMY	0.2078, 0.1921, 0.0314
CMYK	0.18, 0.17, 0.00, 0.03
HSL	235°, 74%, 88%
HSV	235°, 18%, 97%
XYZ	63.2169, 63.4146, 96.9040
YIQ	209.4780, -15.5450, 11.9030

Conversions

Conversions Part 2

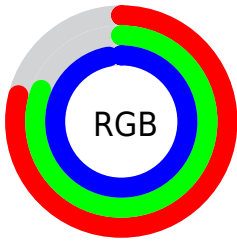
Format	Color
R _{YB}	202, 206, 247
Decimal	13291255
CIE Lab	83.66, 6.88, -20.55
CIE LCh	84, 21.673, 288.512
Yxy	63.4146, 0.2828, 0.2837
Android (android.graphics.Color)	4291481335 (0xFFCACEF7)
YUV	209.4780, 18.4983, -6.5582
Hunter-Lab	79.6333, 2.3440, -16.4054

Details

The XYZ color **63.2169, 63.4146, 96.9040** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.0694, 88.1393, 68.6183**, and the grayscale version is **60.8083, 63.9750, 69.6688**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6648, 32.4211, 53.8265** is the 20% darker color. If you saturate the color by 10%, you get **52.0262, 50.1723, 94.9388**, and if you desaturate by 10%, it is **76.2568, 78.7647, 99.1806**.

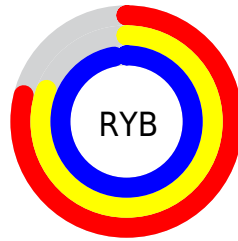
Distribution



Red (79%)

Green (81%)

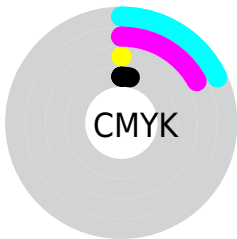
Blue (97%)



Red (79%)

Yellow (81%)

Blue (97%)

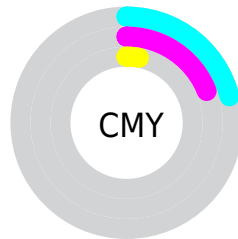


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (3%)



Cyan (21%)

Magenta (19%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2169, 63.4146, 96.9040 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 63.2169, 63.4146, 96.9040 by changing the saturation by 10% instead.

■ 63.2169, 63.4146,
96.9040

■ 63.2169, 63.4146,
96.9040

426.0034,
437.0726, 571.3819

■ 46.2760, 46.1767,
73.1151

108.5624,
109.7674, 158.9106

■ 32.6692, 32.3853,
53.5777

137.6978,
139.6512, 197.9653

■ 22.0312, 21.6560,
37.8732

171.6286,
174.5189, 242.9457

■ 13.9966, 13.6043,
25.5833

210.7204,
214.7552, 294.2704

■ 8.2000, 7.8460,
16.2892

255.3384,
260.7443, 352.3578

■ 4.2760, 3.9966,
9.5724

305.8480,

■ 1.8595, 1.6716,

312.8706, 417.6265

5.0145

362.6145,
371.5186, 490.4950

■ 0.5531, 0.4052,
2.1969

■ 0.0000, 0.0000,
0.6726

■ 63.2169, 63.4146,
96.9040

■ 63.2169, 63.4146,
96.9040

■ 52.0262, 50.1723,
94.9388

■ 76.2568, 78.7647,
99.1806

■ 42.5951, 38.9382,
93.2675

■ 91.2182, 96.3009,
101.7769

■ 34.8357, 29.6164,
91.8772

■ 93.7887, 99.4955,
102.2580

■ 28.6498, 22.0998,
90.7524

■ 23.9292, 16.2712,
89.8761

■ 20.5517, 11.9988,
89.2295

■ 18.3750, 9.1317,
88.7908

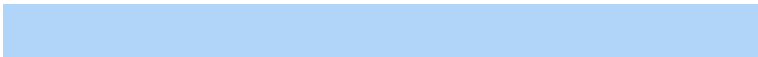
■ 17.2127, 7.4817,
88.5336

■ 17.0750, 7.2881,
88.5035

Harmonies

Analogous

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



58.4750, 63.4146, 97.9463



63.2169, 63.4146, 96.9040



67.3691, 63.4146, 87.8421

Triad

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



63.2169, 63.4146, 96.9040



66.5214, 63.4146, 51.2670



51.7684, 63.4146, 63.9740

Complementary

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



63.2169, 63.4146, 96.9040



81.0694, 88.1393, 68.6183

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.



53.6948, 63.4146, 53.1456



63.2169, 63.4146, 96.9040



62.1088, 63.4146, 46.4785

Square

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



63.2169, 63.4146, 96.9040



69.3448, 63.4146, 61.0799



57.4233, 63.4146, 47.1178



52.0302, 63.4146, 77.6800

Rectangle

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



63.2169, 63.4146, 96.9040



69.1671, 63.4146, 79.0670



57.4233, 63.4146, 47.1178



52.1772, 63.4146, 59.9128

Sweetspot

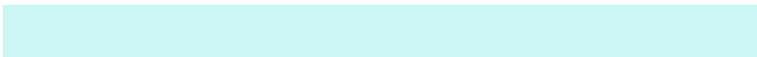
The Sweet Spot groups the original color and five complimentary colors.



63.2189, 63.4172, 96.9054



86.9195, 90.4728, 107.4896



73.7213, 85.5201, 97.0212



18.3688, 19.0886, 22.9663



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.



63.2189, 63.4172, 96.9054



63.1433, 62.4817, 103.3399



67.4255, 64.1736, 96.8297



15.6996, 16.1636, 20.8350



9.0725, 3.9388, 46.8201



0.8370, 0.4254, 4.1282

Inverse Universe

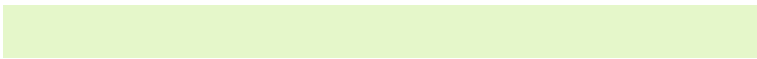
The Inverse Universe completely reimagines the original color for something new.



70.6204, 66.4730, 67.5039



72.5263, 66.4152, 66.0542



76.2357, 87.4449, 68.7391



16.5590, 16.5064, 17.4241



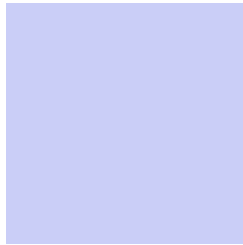
20.3839, 10.4970, 1.4641



1.8115, 0.9306, 0.2339

Previews

White Background



This preview shows how the XYZ color 63.2169, 63.4146, 96.9040 looks on a white background.

Color Contrast Check

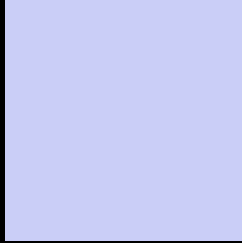
Large Text (above 18pt) WCAG AA × Fail

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 63.2169, 63.4146, 96.9040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

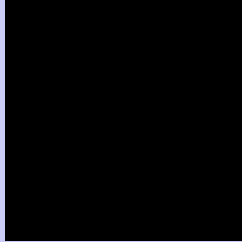
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2169, 63.4146, 96.9040

Background



This preview shows how black text looks on a background with the XYZ color 63.2169, 63.4146, 96.9040.



This preview shows how white text looks on a background with the XYZ color 63.2169, 63.4146,

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

63.2169, 63.4146, 96.9040

Protanopia

62.9207, 63.6204, 96.9594

Deuteranopia

64.9597, 63.6028, 96.8485



Tritanopia

60.0628, 63.5899, 81.0599

Trichromacy



Original Color

63.2169, 63.4146, 96.9040

Protanomaly

63.1887, 63.7586, 96.9719

Deuteranomaly

64.3519, 63.6434, 96.8884

Tritanomaly

61.2049, 63.6836, 86.9082

Monochromacy



Original Color

63.2169, 63.4146, 96.9040

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.3288, 63.5613, 78.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2169, 63.4146, 96.9040 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(202, 206, 247)` looks like.

```
.text, #text, p{  
    color:rgb(202, 206, 247)  
}
```

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(202, 206, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 206, 247) }
```

Border

The CSS property to change the border of an element to XYZ 63.2169, 63.4146, 96.9040 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(202, 206, 247) }
```


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

```
.border{ border-color:rgb(202, 206, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 206, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 206, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 206, 247);  
box-shadow:4px 4px 4px 4px rgb(202, 206,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2169, 63.4146, 96.9040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 206, 247) }
```

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

```
.background{ background-color: rgb(202,  
206, 247) }
```

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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