

Converting Colors

XYZ(68.8703, 64.1799, 97.1277)

Have a look what the booklet for
XYZ(68.8703, 64.1799, 97.1277)
contains.

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Color

**XYZ(68.8068, 64.1927,
96.7596)**

Conversions

Conversions Part 1

Format	Color
Hex	E2C8F7
RGB	226, 200, 247
RGB Percent	89%, 78%, 97%
CMY	0.1137, 0.2157, 0.0314
CMYK	0.09, 0.19, 0.00, 0.03
HSL	273°, 75%, 88%
HSV	273°, 19%, 97%
XYZ	68.8068, 64.1927, 96.7596
YIQ	213.1320, 0.4090, 20.1290

Conversions

Conversions Part 2

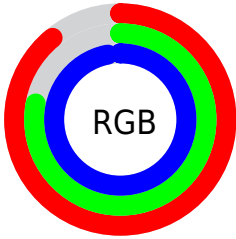
Format	Color
R _Y B	226, 200, 247
Decimal	14862583
CIE Lab	84.07, 17.63, -19.76
CIE LCh	84, 26.481, 311.753
Yxy	64.1927, 0.2995, 0.2794
Android (android.graphics.Color)	4293052663 (0xFFE2C8F7)
YUV	213.1320, 16.6969, 11.2852
Hunter-Lab	80.1203, 13.0840, -15.5190

Details

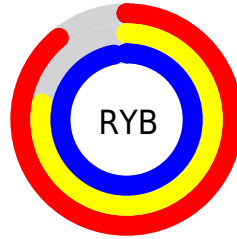
The XYZ color **68.8068, 64.1927, 96.7596** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.5071, 86.0655, 67.3847**, and the grayscale version is **63.2275, 66.5202, 72.4405**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2604, 32.8654, 53.7227** is the 20% darker color. If you saturate the color by 10%, you get **60.1922, 51.9361, 94.8489**, and if you desaturate by 10%, it is **78.5722, 78.4178, 98.9916**.

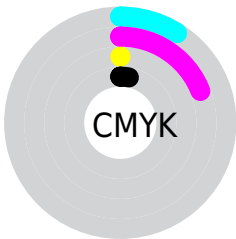
Distribution



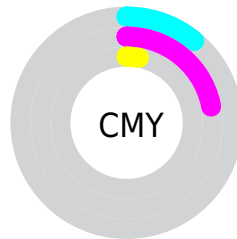
- Red (89%)
- Green (78%)
- Blue (97%)



- Red (89%)
- Yellow (78%)
- Blue (97%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (22%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8068, 64.1927, 96.7596 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 68.8068, 64.1927, 96.7596 by changing the saturation by 10% instead.

68.8068, 64.1927,
96.7596

68.8068, 64.1927,
96.7596

445.6813,
439.8852, 570.9105

50.8305, 46.8068,
72.9954

116.5412,
110.8884, 158.7098

36.2942, 32.8829,
53.4804

147.0299,
140.9670, 197.7328

24.8326, 22.0368,
37.7961

182.4201,
176.0452, 242.6792

16.0805, 13.8839,
25.5238

223.0772,
216.5075, 293.9675

9.6723, 8.0400,
16.2452

269.3665,
262.7383, 352.0162

5.2428, 4.1205,
9.5416

321.6534,

2.4267, 1.7412,

315.1219, 417.2440

4.9945

380.3032,
374.0427, 490.0692

■ 0.8584, 0.4501,
2.1853

■ 0.0000, 0.0000,
0.6659

■ 68.8068, 64.1927,
96.7596

■ 68.8068, 64.1927,
96.7596

■ 60.1922, 51.9361,
94.8489

■ 78.5722, 78.4178,
98.9916

■ 52.6741, 41.5490,
93.2402

■ 89.5279, 94.6879,
101.5546

■ 46.2021, 32.9361,
91.9188

■ 93.7887, 99.4955,
102.2580

■ 40.7195, 25.9901,
90.8671

■ 36.1631, 20.5917,
90.0653

■ 32.4616, 16.6051,
89.4909

■ 29.5310, 13.8697,
89.1173

■ 27.2478, 12.1461,
88.9050

■ 27.0453, 12.0030,
88.8880

Harmonies

Analogous

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



63.3310, 64.1927, 106.3767



68.8068, 64.1927, 96.7596



72.3204, 64.1927, 80.4646

Triad

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



68.8068, 64.1927, 96.7596



64.6001, 64.1927, 43.5682



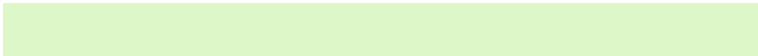
50.6591, 64.1927, 76.6575

Complementary

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



68.8068, 64.1927, 96.7596



73.5071, 86.0655, 67.3847

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.



50.9507, 64.1927, 60.2939



68.8068, 64.1927, 96.7596



58.7528, 64.1927, 42.8832

Square

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



68.8068, 64.1927, 96.7596



69.7868, 64.1927, 50.5789



53.8316, 64.1927, 48.5290



53.0076, 64.1927, 93.5922

Rectangle

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



68.8068, 64.1927, 96.7596



72.9492, 64.1927, 68.9152



53.8316, 64.1927, 48.5290



50.4559, 64.1927, 70.8839

Sweetspot

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



68.8088, 64.1954, 96.7610



87.8913, 89.3500, 107.2217



66.5064, 70.7894, 98.1551



18.6516, 18.8869, 22.9124



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.



68.8088, 64.1954, 96.7610



70.1162, 63.4820, 103.1655



75.4419, 67.6565, 95.1902



16.4577, 16.3786, 20.8365



14.4693, 6.4335, 47.0172



1.3899, 0.6264, 4.1379

Inverse Universe

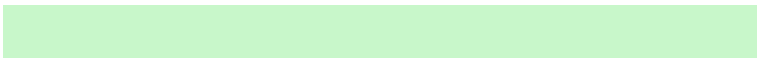
The Inverse Universe completely reimagines the original color for something new.



72.0653, 66.3059, 77.4096



74.3185, 66.2018, 78.3601



67.7846, 83.0834, 68.5617



16.8069, 16.6056, 18.7295



21.8543, 11.0852, 9.2073



1.9717, 0.9947, 1.0775

Previews

White Background



This preview shows how the XYZ color 68.8068, 64.1927, 96.7596 looks on a white background.

Color Contrast Check

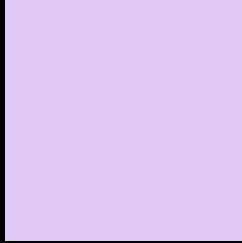
Large Text (above 18pt) WCAG AA × Fail

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 68.8068, 64.1927, 96.7596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

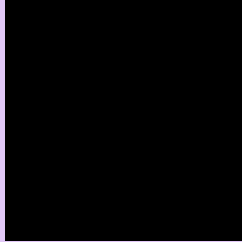
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8068, 64.1927, 96.7596

Background



This preview shows how black text looks on a background with the XYZ color 68.8068, 64.1927, 96.7596.

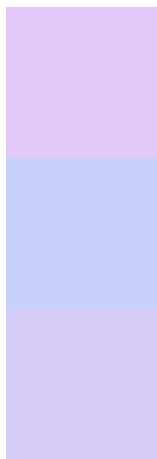


This preview shows how white text looks on a background with the XYZ color 68.8068, 64.1927,

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

68.8068, 64.1927, 96.7596

Protanopia

63.9460, 64.4194, 101.1593

Deuteranopia

65.9064, 64.4626, 96.1577



Tritanopia

65.0067, 64.4127, 77.4133

Trichromacy



Original Color

68.8068, 64.1927, 96.7596

Protanomaly

65.3811, 64.1201, 99.3729

Deuteranomaly

66.9039, 64.2711, 96.0681

Tritanomaly

66.0703, 64.1130, 83.7557

Monochromacy



Original Color

68.8068, 64.1927, 96.7596

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

65.0599, 65.4534, 80.4389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8068, 64.1927, 96.7596 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(226, 200, 247)` looks like.

```
.text, #text, p{  
    color:rgb(226, 200, 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(226, 200, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 200, 247) }
```

Border

The CSS property to change the border of an element to XYZ 68.8068, 64.1927, 96.7596 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(226, 200, 247) }
```


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

```
.border{ border-color:rgb(226, 200, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 200, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 200, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 200, 247);  
box-shadow:4px 4px 4px 4px rgb(226, 200,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8068, 64.1927, 96.7596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 200, 247) }
```

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

```
.background{ background-color: rgb(226,  
200, 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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