

Converting Colors

XYZ(68.0347, 66.1310, 80.1330)

Have a look what the booklet for
XYZ(68.0347, 66.1310, 80.1330)
contains.

XYZ(68.2950, 66.4019, 80.4515)	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(68.2950, 66.4019,
80.4515)**

Conversions

Conversions Part 1

Format	Color
Hex	E6CEE1
RGB	230, 206, 225
RGB Percent	90%, 81%, 88%
CMY	0.0980, 0.1921, 0.1176
CMYK	0.00, 0.10, 0.02, 0.10
HSL	313°, 32%, 85%
HSV	313°, 10%, 90%
XYZ	68.2950, 66.4019, 80.4515
YIQ	215.3420, 8.2050, 10.9970

Conversions

Conversions Part 2

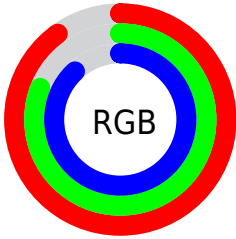
Format	Color
R _Y B	230, 206, 225
Decimal	15126241
CIE Lab	85.20, 11.63, -6.33
CIE LCh	85, 13.235, 331.452
Yxy	66.4019, 0.3174, 0.3086
Android (android.graphics.Color)	4293316321 (0xFFE6CEE1)
YUV	215.3420, 4.7614, 12.8551
Hunter-Lab	81.4874, 6.9989, -1.4952

Details

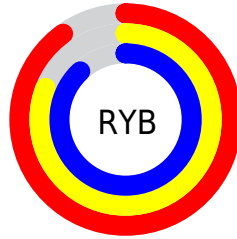
The XYZ color **68.2950, 66.4019, 80.4515** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.5108, 74.4203, 72.5432**, and the grayscale version is **64.7895, 68.1636, 74.2302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9395, 34.3574, 42.7676** is the 20% darker color. If you saturate the color by 10%, you get **62.5141, 55.8708, 75.3447**, and if you desaturate by 10%, it is **74.9083, 78.5665, 85.9279**.

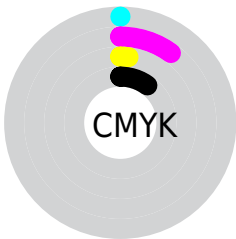
Distribution



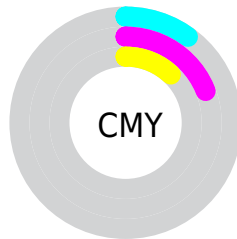
- Red (90%)
- Green (81%)
- Blue (88%)



- Red (90%)
- Yellow (81%)
- Blue (88%)



- Cyan (0%)
- Magenta (10%)
- Yellow (2%)
- Black (10%)



- Cyan (10%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2950, 66.4019, 80.4515 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 68.2950, 66.4019, 80.4515 by changing the saturation by 10% instead.

68.2950, 66.4019,
80.4515

68.2950, 66.4019,
80.4515

443.9009,
447.8128, 516.2000

50.4123, 48.5987,
59.5616

115.8137,
114.0630, 135.8175

35.9603, 34.3013,
42.6424

146.1803,
144.6897, 171.1306

24.5735, 23.1251,
29.2753

181.4391,
180.3597, 212.0886

15.8866, 14.6859,
19.0418

221.9552,
221.4573, 259.1100

9.5343, 8.5993,
11.5234

268.0941,
268.3671, 312.6132

5.1512, 4.4807,
6.3015

320.2211,

2.3719, 1.9460,

321.4733, 373.0170

2.9575

378.7016,
381.1605, 440.7397

■ 0.8311, 0.5758,
1.0730

■ 0.0000, 0.0000,
0.0000

■ 68.2950, 66.4019,
80.4515

■ 68.2950, 66.4019,
80.4515

■ 62.5141, 55.8708,
75.3447

■ 74.9083, 78.5665,
85.9279

■ 57.5246, 46.8944,
70.5908

■ 82.3813, 92.4219,
91.7813

■ 53.2907, 39.4003,
66.1778

■ 84.0294, 94.5976,
95.7850

■ 49.7716, 33.3070,
62.0913

■ 84.7485, 94.8852,
99.5718

46.9223, 28.5251,
58.3158

85.4866, 95.1804,
103.4582

44.6929, 24.9548,
54.8336

86.2437, 95.4833,
107.4451

43.0262, 22.4820,
51.6250

86.4435, 95.5632,
108.4972

41.8541, 20.9706,
48.6665

41.0851, 20.2038,
46.0326

Harmonies

Analogous

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



66.1582, 66.4019, 87.2635



68.2950, 66.4019, 80.4515



69.0319, 66.4019, 71.8843

Triad

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



68.2950, 66.4019, 80.4515



62.9676, 66.4019, 57.0687



58.3380, 66.4019, 81.2293

Complementary

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



68.2950, 66.4019, 80.4515



65.5108, 74.4203, 72.5432

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.



57.5425, 66.4019, 72.7180



68.2950, 66.4019, 80.4515



60.1627, 66.4019, 59.1536

Square

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



68.2950, 66.4019, 80.4515



65.8984, 66.4019, 58.7897



58.2000, 66.4019, 64.7193



60.4072, 66.4019, 87.7369

Rectangle

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



68.2950, 66.4019, 80.4515



68.6122, 66.4019, 66.4487



58.2000, 66.4019, 64.7193



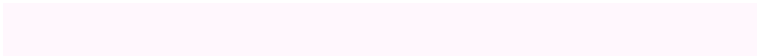
57.9158, 66.4019, 78.4859

Sweetspot

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



68.2969, 66.4048, 80.4529



92.4023, 95.1136, 106.7566



63.1638, 63.6786, 83.8258



19.6300, 20.0857, 22.7293



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.



68.2969, 66.4048, 80.4529



84.2791, 80.2060, 99.9218



66.7423, 65.7829, 72.2665



14.8597, 14.5611, 17.4616



23.3057, 11.4565, 26.3025



1.7546, 0.8596, 2.1144

Inverse Universe

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



68.2969, 66.4048, 80.4529



84.2791, 80.2060, 99.9218



67.0449, 75.0339, 80.6218



14.8597, 14.5611, 17.4616



23.3057, 11.4565, 26.3025



1.7546, 0.8596, 2.1144

Previews

White Background



This preview shows how the XYZ color 68.2950, 66.4019, 80.4515 looks on a white background.

Color Contrast Check

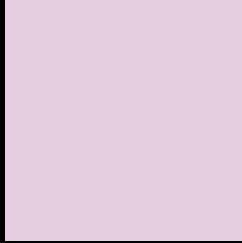
Large Text (above 18pt) WCAG AA × Fail

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 68.2950, 66.4019, 80.4515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

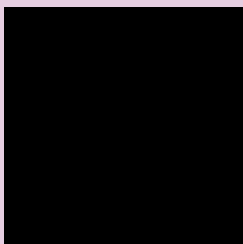
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2950, 66.4019, 80.4515

Background



This preview shows how black text looks on a background with the XYZ color 68.2950, 66.4019, 80.4515.



This preview shows how white text looks on a background with the XYZ color 68.2950, 66.4019,

80.4515.

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

68.2950, 66.4019, 80.4515

Protanopia

64.6985, 66.6855, 82.8604

Deuteranopia

67.8983, 66.5559, 80.5021



Tritanopia

68.0237, 66.2933, 79.0227

Trichromacy



Original Color

68.2950, 66.4019, 80.4515

Protanomaly

66.1251, 66.6993, 82.0621

Deuteranomaly

68.2165, 66.7199, 80.5170

Tritanomaly

68.1590, 66.3474, 79.7350

Monochromacy



Original Color

68.2950, 66.4019, 80.4515

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.8449, 67.4171, 76.5602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2950, 66.4019, 80.4515 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(230, 206, 225)` looks like.

```
.text, #text, p{  
    color:rgb(230, 206, 225)  
}
```

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(230, 206, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 206, 225) }
```

Border

The CSS property to change the border of an element to XYZ 68.2950, 66.4019, 80.4515 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(230, 206, 225) }
```


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

```
.border{ border-color:rgb(230, 206, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 206, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 206, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 206, 225);  
box-shadow:4px 4px 4px 4px rgb(230, 206,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2950, 66.4019, 80.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 206, 225) }
```

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

```
.background{ background-color: rgb(230,  
206, 225) }
```

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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