

Converting Colors

XYZ(50.8139, 44.0040, 68.0995)

Have a look what the booklet for
XYZ(50.8139, 44.0040, 68.0995)
contains.

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Color

**XYZ(50.8164, 44.0040,
68.1027)**

Conversions

Conversions Part 1

Format	Color
Hex	D0A2D4
RGB	208, 162, 212
RGB Percent	82%, 64%, 83%
CMY	0.1843, 0.3647, 0.1686
CMYK	0.02, 0.24, 0.00, 0.17
HSL	295°, 37%, 73%
HSV	295°, 24%, 83%
XYZ	50.8164, 44.0040, 68.1027
YIQ	181.4540, 11.3660, 25.3020

Conversions

Conversions Part 2

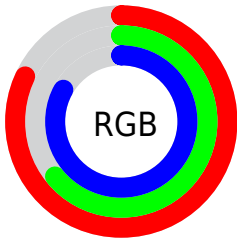
Format	Color
R _Y B	208, 162, 212
Decimal	13673172
CIE Lab	72.23, 25.51, -18.92
CIE LCh	72, 31.755, 323.436
Yxy	44.0040, 0.3119, 0.2701
Android (android.graphics.Color)	4291863252 (0xFFD0A2D4)
YUV	181.4540, 15.0592, 23.2808
Hunter-Lab	66.3355, 20.6530, -14.4346

Details

The XYZ color **50.8164, 44.0040, 68.1027** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.7925, 57.8037, 42.9283**, and the grayscale version is **44.0845, 46.3803, 50.5082**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **24.7986, 20.3585, 34.5208** is the 20% darker color. If you saturate the color by 10%, you get **46.9184, 36.9112, 66.9398**, and if you desaturate by 10%, it is **55.3518, 52.3623, 69.4776**.

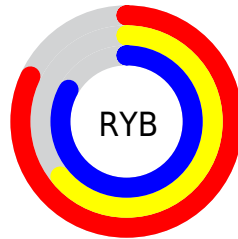
Distribution



Red (82%)

Green (64%)

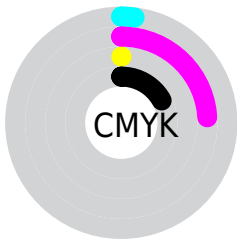
Blue (83%)



Red (82%)

Yellow (64%)

Blue (83%)

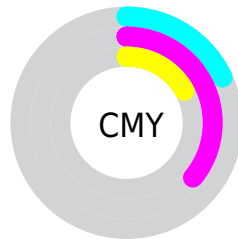


Cyan (2%)

Magenta (24%)

Yellow (0%)

Black (17%)



Cyan (18%)


Magenta (36%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8164, 44.0040, 68.1027 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 50.8164, 44.0040, 68.1027 by changing the saturation by 10% instead.


 50.8164, 44.0040,
68.1027


 50.8164, 44.0040,
68.1027


380.2495,
362.7246, 472.4677

 36.2830, 30.6737,
49.5141


 90.5679, 81.2238,
118.1547

 24.8239, 20.3505,
34.6590


 116.5167,
105.8820, 150.4551

 16.0740, 12.6501,
23.1189

147.0014,
135.0849, 188.1632

 9.6677, 7.1880,
14.4752

182.3872,
169.2170, 231.6975

 5.2398, 3.5800,
8.3094

223.0396,
208.6626, 281.4766

 2.4248, 1.4415,
4.2029

269.3238,

 0.8575, 0.2470,

253.8062, 337.9189

1.7373

321.6053,
305.0320, 401.4431

■ 0.0000, 0.0000,
0.3861

■ 0.0000, 0.0000,
0.0000

■ 50.8164, 44.0040,
68.1027

■ 50.8164, 44.0040,
68.1027

■ 46.9184, 36.9112,
66.9398

■ 55.3518, 52.3623,
69.4776

■ 43.6220, 31.0152,
65.9754

■ 60.5498, 62.0390,
71.0715

■ 40.8944, 26.2491,
65.1993

■ 66.4393, 73.0911,
72.8943

■ 38.6979, 22.5376,
64.5986

■ 73.0463, 85.5705,
74.9548

36.9900, 19.7958,
64.1594

76.1051, 90.9459,
75.8312

35.7218, 17.9262,
63.8654

76.6103, 91.2063,
75.8548

34.8342, 16.8102,
63.6968

77.1206, 91.4694,
75.8787

34.4001, 16.3611,
63.6330

77.6362, 91.7352,
75.9028

78.1570, 92.0037,
75.9272

Harmonies

Analogous

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



46.1313, 44.0040, 81.0522



50.8164, 44.0040, 68.1027



53.1200, 44.0040, 51.4256

Triad

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



50.8164, 44.0040, 68.1027



43.0337, 44.0040, 23.8588



32.9294, 44.0040, 60.8647

Complementary

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



50.8164, 44.0040, 68.1027



45.7925, 57.8037, 42.9283

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.



32.2557, 44.0040, 44.5639



50.8164, 44.0040, 68.1027



37.7945, 44.0040, 25.3191

Square

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



50.8164, 44.0040, 68.1027



48.3815, 44.0040, 27.6279



33.9613, 44.0040, 32.1688



35.8884, 44.0040, 76.2791

Rectangle

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



50.8164, 44.0040, 68.1027



52.8647, 44.0040, 41.2738



33.9613, 44.0040, 32.1688



32.4395, 44.0040, 55.2283

Sweetspot

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



50.8178, 44.0059, 68.1036



89.0942, 88.8654, 107.0647



40.4524, 39.7700, 67.8324



18.9651, 18.8258, 22.8841



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.



50.8178, 44.0059, 68.1036



74.2772, 61.5277, 102.5689



49.4954, 43.6085, 55.1965



12.8505, 12.5798, 15.6884



21.2766, 10.1210, 39.2853



1.3130, 0.6258, 2.3709

Inverse Universe

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



46.9561, 42.5928, 41.8248



67.5167, 59.0627, 56.1635



46.9752, 58.1814, 53.4648



12.4632, 12.4368, 13.1133



16.8390, 8.6719, 1.1901



1.0300, 0.5288, 0.1474

Previews

White Background



This preview shows how the XYZ color 50.8164, 44.0040, 68.1027 looks on a white background.

Color Contrast Check

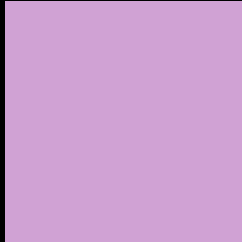
Large Text (above 18pt) WCAG AA × Fail

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 50.8164, 44.0040, 68.1027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

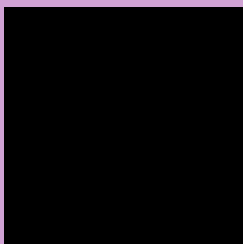
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8164, 44.0040, 68.1027

Background



This preview shows how black text looks on a background with the XYZ color 50.8164, 44.0040, 68.1027.



This preview shows how white text looks on a background with the XYZ color 50.8164, 44.0040,

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

50.8164, 44.0040, 68.1027

Protanopia

44.3024, 44.3781, 74.6375

Deuteranopia

45.1668, 44.1240, 67.1090



Tritanopia

47.2450, 44.1788, 49.7533

Trichromacy



Original Color

50.8164, 44.0040, 68.1027

Protanomaly

46.2739, 44.0115, 72.3858

Deuteranomaly

47.1810, 44.0262, 67.6392

Tritanomaly

48.3275, 44.0573, 55.8260

Monochromacy



Original Color

50.8164, 44.0040, 68.1027

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.1363, 45.1542, 56.1532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8164, 44.0040, 68.1027 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(208, 162, 212)` looks like.

```
.text, #text, p{  
    color:rgb(208, 162, 212)  
}
```

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(208, 162, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 162, 212) }
```

Border

The CSS property to change the border of an element to XYZ 50.8164, 44.0040, 68.1027 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(208, 162, 212) }
```


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

```
.border{ border-color:rgb(208, 162, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 162, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 162, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 162, 212);  
box-shadow:4px 4px 4px 4px rgb(208, 162,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8164, 44.0040, 68.1027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 162, 212) }
```

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

```
.background{ background-color: rgb(208,  
162, 212) }
```

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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