

Converting Colors

XYZ(50.4345, 44.0697, 68.1355)

Have a look what the booklet for
XYZ(50.4345, 44.0697, 68.1355)
contains.

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Color

**XYZ(50.4345, 44.0697,
68.1355)**

Conversions

Conversions Part 1

Format	Color
Hex	CEA3D4
RGB	206, 163, 212
RGB Percent	81%, 64%, 83%
CMY	0.1922, 0.3608, 0.1686
CMYK	0.03, 0.23, 0.00, 0.17
HSL	293°, 36%, 74%
HSV	293°, 23%, 83%
XYZ	50.4345, 44.0697, 68.1355
YIQ	181.4430, 9.8990, 24.3550

Conversions

Conversions Part 2

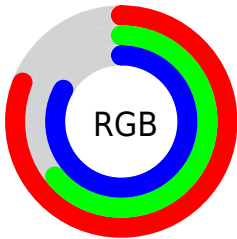
Format	Color
R _Y B	206, 163, 212
Decimal	13542356
CIE Lab	72.28, 24.30, -18.87
CIE LCh	72, 30.764, 322.167
Yxy	44.0697, 0.3101, 0.2710
Android (android.graphics.Color)	4291732436 (0xFFCEA3D4)
YUV	181.4430, 15.0646, 21.5365
Hunter-Lab	66.3850, 19.4375, -14.3839

Details

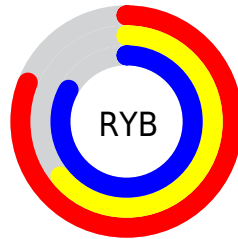
The XYZ color **50.4345, 44.0697, 68.1355** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.5181, 58.1675, 43.4282**, and the grayscale version is **44.0791, 46.3747, 50.5020**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **24.5327, 20.3825, 34.5395** is the 20% darker color. If you saturate the color by 10%, you get **46.2670, 36.7950, 66.9516**, and if you desaturate by 10%, it is **55.2476, 52.6163, 69.5321**.

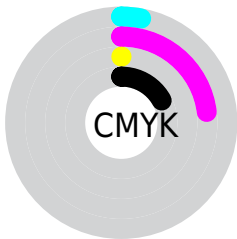
Distribution



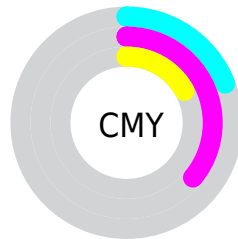
- Red (81%)
- Green (64%)
- Blue (83%)



- Red (81%)
- Yellow (64%)
- Blue (83%)



- Cyan (3%)
- Magenta (23%)
- Yellow (0%)
- Black (17%)





- Cyan (19%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4345, 44.0697, 68.1355 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 50.4345, 44.0697, 68.1355 by changing the saturation by 10% instead.

 50.4345, 44.0697,
68.1355


 50.4345, 44.0697,
68.1355


378.7866,
362.9926, 472.5870

 35.9780, 30.7253,
49.5406


 90.0063, 81.3226,
118.2020

 24.5872, 20.3898,
34.6799


 115.8523,
105.9999, 150.5107

 15.8969, 12.6787,
23.1348

146.2254,
135.2237, 188.2277

 9.5416, 7.2077,
14.4869

181.4912,
169.3782, 231.7717

 5.1560, 3.5923,
8.3174

222.0148,
208.8480, 281.5610

 2.3748, 1.4482,
4.2081

268.1617,

 0.8325, 0.2519,

254.0174, 338.0143

1.7402

320.2972,
305.2708, 401.5502

■ 0.0000, 0.0000,
0.3880

■ 0.0000, 0.0000,
0.0000

■ 50.4345, 44.0697,
68.1355

■ 50.4345, 44.0697,
68.1355

■ 46.2670, 36.7950,
66.9516

■ 55.2476, 52.6163,
69.5321

■ 42.7095, 30.7235,
65.9672

■ 60.7315, 62.4876,
71.1485

■ 39.7292, 25.7889,
65.1718

■ 66.9150, 73.7403,
72.9945

■ 37.2884, 21.9160,
64.5529

■ 73.8241, 86.4262,
75.0790

35.3451, 19.0206,
64.0965

76.8515, 91.3306,
75.8661

33.8506, 17.0056,
63.7863

77.6385, 91.7364,
75.9029

32.7464, 15.7539,
63.6029

78.4378, 92.1484,
75.9404

32.1438, 15.1979,
63.5274

79.2494, 92.5668,
75.9783

80.0733, 92.9916,
76.0169

Harmonies

Analogous

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



45.8384, 44.0697, 80.2896



50.4345, 44.0697, 68.1355



52.7797, 44.0697, 52.0602

Triad

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



50.4345, 44.0697, 68.1355



43.2869, 44.0697, 24.5457



33.1649, 44.0697, 59.8215

Complementary

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



50.4345, 44.0697, 68.1355



46.5181, 58.1675, 43.4282

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.



32.6065, 44.0697, 44.1271



50.4345, 44.0697, 68.1355



38.1693, 44.0697, 25.7673

Square

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



50.4345, 44.0697, 68.1355



48.4327, 44.0697, 28.4770



34.3642, 44.0697, 32.2586



35.9592, 44.0697, 74.8292

Rectangle

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



50.4345, 44.0697, 68.1355



52.6242, 44.0697, 42.1094



34.3642, 44.0697, 32.2586



32.7196, 44.0697, 54.3819

Sweetspot

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



50.4359, 44.0716, 68.1365



88.8181, 88.7231, 107.0518



41.2772, 41.1169, 68.0489



18.9010, 18.7927, 22.8811



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.



50.4359, 44.0716, 68.1365



73.2039, 60.9744, 102.5187



49.9913, 44.0899, 56.9353



12.7964, 12.5520, 15.6858



19.9012, 9.4120, 39.2209



1.2434, 0.5899, 2.3676

Inverse Universe

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



47.4115, 43.0580, 43.3503



67.8500, 59.1960, 57.9184



46.9864, 58.2095, 52.4590



12.4845, 12.4453, 13.2257



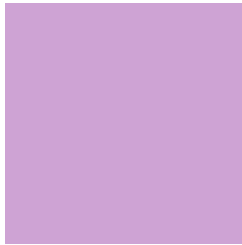
16.8965, 8.6949, 1.4933



1.0401, 0.5328, 0.2005

Previews

White Background



This preview shows how the XYZ color 50.4345, 44.0697, 68.1355 looks on a white background.

Color Contrast Check

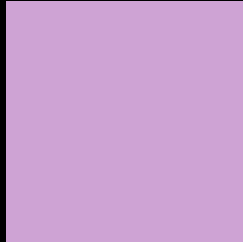
Large Text (above 18pt) WCAG AA × Fail

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 50.4345, 44.0697, 68.1355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

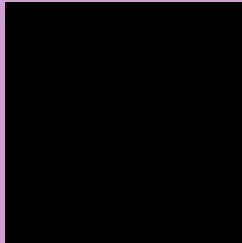
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4345, 44.0697, 68.1355

Background



This preview shows how black text looks on a background with the XYZ color 50.4345, 44.0697, 68.1355.



This preview shows how white text looks on a background with the XYZ color 50.4345, 44.0697,

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

50.4345, 44.0697, 68.1355

Protanopia

44.5128, 44.4866, 74.6473

Deuteranopia

45.1668, 44.1240, 67.1090



Tritanopia

46.9886, 44.3099, 50.3321

Trichromacy



Original Color

50.4345, 44.0697, 68.1355

Protanomaly

46.2739, 44.0115, 72.3858

Deuteranomaly

46.9321, 43.8979, 67.6276

Tritanomaly

48.0730, 44.1842, 56.4468

Monochromacy



Original Color

50.4345, 44.0697, 68.1355

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.8857, 45.0250, 56.1414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4345, 44.0697, 68.1355 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(206, 163, 212)` looks like.

```
.text, #text, p{  
    color:rgb(206, 163, 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(206, 163, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 163, 212) }
```

Border

The CSS property to change the border of an element to XYZ 50.4345, 44.0697, 68.1355 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(206, 163, 212) }
```


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

```
.border{ border-color:rgb(206, 163, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 163, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 163, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 163, 212);  
box-shadow:4px 4px 4px 4px rgb(206, 163,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4345, 44.0697, 68.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 163, 212) }
```

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

```
.background{ background-color: rgb(206,  
163, 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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