

Converting Colors

XYZ(49.9984, 43.5071, 66.9471)

Have a look what the booklet for
XYZ(49.9984, 43.5071, 66.9471)
contains.

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Color

**XYZ(50.0068, 43.6156,
66.7558)**

Conversions

Conversions Part 1

Format	Color
Hex	CEA2D2
RGB	206, 162, 210
RGB Percent	81%, 64%, 82%
CMY	0.1922, 0.3647, 0.1765
CMYK	0.02, 0.23, 0.00, 0.18
HSL	295°, 35%, 73%
HSV	295°, 23%, 82%
XYZ	50.0068, 43.6156, 66.7558
YIQ	180.6280, 10.8160, 24.2560

Conversions

Conversions Part 2

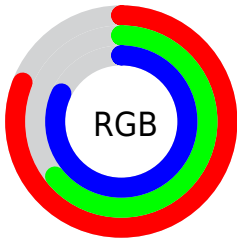
Format	Color
R _{YB}	206, 162, 210
Decimal	13542098
CIE _{Lab}	71.97, 24.46, -18.23
CIE _{LCh}	72, 30.508, 323.302
Y _{xy}	43.6156, 0.3118, 0.2720
Android (android.graphics.Color)	4291732178 (0xFFCEA2D2)
Y _{UV}	180.6280, 14.4804, 22.2512
Hunter-Lab	66.0421, 19.5857, -13.7012

Details

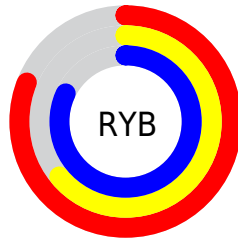
The XYZ color **50.0068, 43.6156, 66.7558** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.2956, 56.8099, 42.7626**, and the grayscale version is **43.6416, 45.9144, 50.0008**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **24.2548, 20.0977, 33.6112** is the 20% darker color. If you saturate the color by 10%, you get **46.1294, 36.5772, 65.6023**, and if you desaturate by 10%, it is **54.5100, 51.8960, 68.1174**.

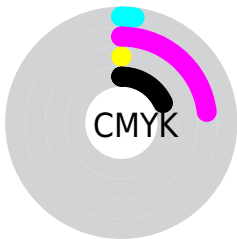
Distribution



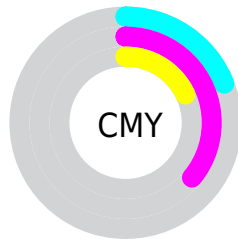
- Red (81%)
- Green (64%)
- Blue (82%)



- Red (81%)
- Yellow (64%)
- Blue (82%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (18%)





- Cyan (19%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0068, 43.6156, 66.7558 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 50.0068, 43.6156, 66.7558 by changing the saturation by 10% instead.


 50.0068, 43.6156,
66.7558


 50.0068, 43.6156,
66.7558


377.1441,
361.1373, 467.5528

 35.6366, 30.3684,
48.4258

 89.3767, 80.6390,
116.2078

 24.3225, 20.1184,
33.8019


 115.1072,
105.1840, 148.1668

 15.6990, 12.4811,
22.4653


145.3551,
134.2638, 185.5060

 9.4009, 7.0722,
13.9976

180.4858,
168.2626, 228.6439

 5.0628, 3.5073,
7.9803

220.8647,
207.5650, 277.9990

 2.3193, 1.4020,
3.9947

266.8572,

 0.8045, 0.2182,

252.5554, 333.9898

1.6225

318.8285,
303.6180, 397.0349

■ 0.0000, 0.0000,
0.3068

■ 0.0000, 0.0000,
0.0000

■ 50.0068, 43.6156,
66.7558

■ 50.0068, 43.6156,
66.7558

■ 46.1294, 36.5772,
65.6023

■ 54.5100, 51.8960,
68.1174

■ 42.8431, 30.7138,
64.6437

■ 59.6636, 61.4697,
69.6937

■ 40.1159, 25.9608,
63.8700

■ 65.4955, 72.3923,
71.4946

■ 37.9114, 22.2449,
63.2690

■ 72.0312, 84.7141,
73.5284

36.1883, 19.4842,
62.8269

75.3443, 90.5826,
74.4866

34.8996, 17.5843,
62.5281

75.8601, 90.8486,
74.5107

33.9884, 16.4315,
62.3536

76.3815, 91.1173,
74.5351

33.4985, 15.9253,
62.2818

76.9084, 91.3890,
74.5598

77.4409, 91.6635,
74.5847

Harmonies

Analogous

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



45.5408, 43.6156, 78.9703



50.0068, 43.6156, 66.7558



52.2083, 43.6156, 50.9113

Triad

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



50.0068, 43.6156, 66.7558



42.6333, 43.6156, 24.3361



32.9278, 43.6156, 59.7518

Complementary

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



50.0068, 43.6156, 66.7558



45.2956, 56.8099, 42.7626

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.



32.2905, 43.6156, 44.2255



50.0068, 43.6156, 66.7558



37.6218, 43.6156, 25.7336

Square

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



50.0068, 43.6156, 66.7558



47.7270, 43.6156, 28.0196



33.9389, 43.6156, 32.3410



35.7587, 43.6156, 74.3714

Rectangle

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



50.0068, 43.6156, 66.7558



51.9752, 43.6156, 41.1969



33.9389, 43.6156, 32.3410



32.4603, 43.6156, 54.3933

Sweetspot

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



50.0081, 43.6175, 66.7567



89.0725, 88.8543, 107.0637



40.1712, 39.6090, 66.5015



18.9601, 18.8232, 22.8839



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.



50.0081, 43.6175, 66.7567



74.8012, 62.5891, 102.7462



48.7943, 43.2619, 54.4953



12.2096, 11.9569, 14.9080



20.4749, 9.7355, 37.9925



1.1741, 0.5595, 2.1257

Inverse Universe

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



46.3831, 42.2974, 41.7979



68.3325, 60.2418, 57.8300



46.3919, 57.1531, 52.8442



11.8482, 11.8240, 12.4762



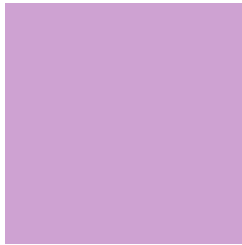
16.2918, 8.3896, 1.1770



0.9251, 0.4748, 0.1405

Previews

White Background



This preview shows how the XYZ color 50.0068, 43.6156, 66.7558 looks on a white background.

Color Contrast Check

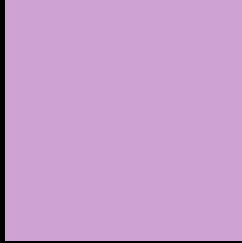
Large Text (above 18pt) WCAG AA × Fail

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 50.0068, 43.6156, 66.7558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

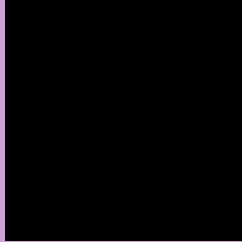
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0068, 43.6156, 66.7558

Background



This preview shows how black text looks on a background with the XYZ color 50.0068, 43.6156, 66.7558.



This preview shows how white text looks on a background with the XYZ color 50.0068, 43.6156,

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

50.0068, 43.6156, 66.7558

Protanopia

43.8420, 43.8814, 73.1771

Deuteranopia

44.7281, 43.6428, 65.7410



Tritanopia

46.4141, 43.4893, 49.1280

Trichromacy



Original Color

50.0068, 43.6156, 66.7558

Protanomaly

45.8255, 43.5311, 70.9528

Deuteranomaly

46.4975, 43.4275, 66.2533

Tritanomaly

47.4877, 43.3684, 55.1583

Monochromacy



Original Color

50.0068, 43.6156, 66.7558

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 50.0068, 43.6156, 66.7558 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, 162, 210)` looks like.

```
.text, #text, p{  
    color:rgb(206, 162, 210)  
}
```

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, 162, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 162, 210) }
```

Border

The CSS property to change the border of an element to XYZ 50.0068, 43.6156, 66.7558 is called "border". The border property can be set on classes, ids or directly on the HTML element.

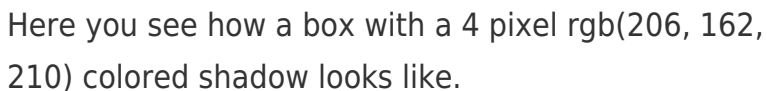
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 162, 210) }
```


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

```
.border{ border-color:rgb(206, 162, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 162, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 162, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 162, 210); box-shadow:4px 4px 4px 4px rgb(206, 162, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0068, 43.6156, 66.7558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 162, 210) }
```

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

```
.background{ background-color: rgb(206,  
162, 210) }
```

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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