

Converting Colors

XYZ(48.2649, 41.5506, 68.5231)

Have a look what the booklet for
XYZ(48.2649, 41.5506, 68.5231)
contains.

XYZ(48.3245, 41.6753, 68.4480)	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(48.3245, 41.6753,
68.4480)**

Conversions

Conversions Part 1

Format	Color
Hex	C99ED5
RGB	201, 158, 213
RGB Percent	79%, 62%, 84%
CMY	0.2118, 0.3804, 0.1647
CMYK	0.06, 0.26, 0.00, 0.16
HSL	287°, 40%, 73%
HSV	287°, 26%, 84%
XYZ	48.3245, 41.6753, 68.4480
YIQ	177.1270, 7.9730, 26.2210

Conversions

Conversions Part 2

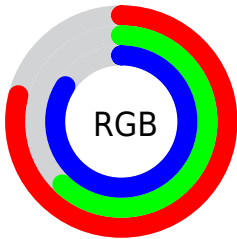
Format	Color
RYB	201, 158, 213
Decimal	13213397
CIELab	70.65, 25.59, -21.94
CIELCh	71, 33.708, 319.395
Yxy	41.6753, 0.3050, 0.2630
Android (android.graphics.Color)	4291403477 (0xFFC99ED5)
YUV	177.1270, 17.6854, 20.9366
Hunter-Lab	64.5564, 20.6447, -17.6746

Details

The XYZ color **48.3245, 41.6753, 68.4480** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.5448, 58.6042, 41.2083**, and the grayscale version is **41.7648, 43.9399, 47.8505**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **23.1796, 18.8877, 34.7717** is the 20% darker color. If you saturate the color by 10%, you get **43.7713, 34.3948, 67.2833**, and if you desaturate by 10%, it is **53.5478, 50.2381, 69.8261**.

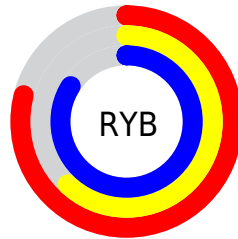
Distribution



Red (79%)

Green (62%)

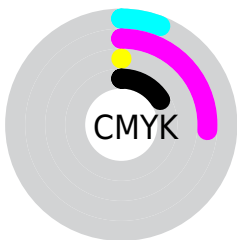
Blue (84%)



Red (79%)

Yellow (62%)

Blue (84%)

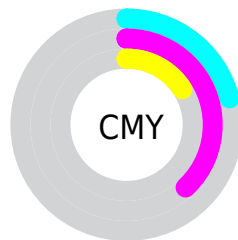


Cyan (6%)

Magenta (26%)

Yellow (0%)

Black (16%)



Cyan (21%)

Magenta (38%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3245, 41.6753, 68.4480 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 48.3245, 41.6753, 68.4480 by changing the saturation by 10% instead.

48.3245, 41.6753,
68.4480

48.3245, 41.6753,
68.4480

370.6381,
353.1352, 473.7228

34.2963, 28.8471,
49.7933

86.8941, 77.7080,
118.6531

23.2852, 18.9652,
34.8792

112.1662,
101.6813, 151.0406

14.9261, 11.6451,
23.2870

141.9170,
130.1384, 188.8427

8.8535, 6.5025,
14.5983

176.5118,
163.4637, 232.4781

4.7021, 3.1530,
8.3945

216.3159,
202.0417, 282.3653

2.1065, 1.2121,
4.2570

261.6948,

0.6928, 0.0716,

246.2566, 338.9228

1.7674

313.0137,
296.4930, 402.5691

■ 0.0000, 0.0000,
0.4063

■ 0.0000, 0.0000,
0.0000

■ 48.3245, 41.6753,
68.4480

■ 48.3245, 41.6753,
68.4480

■ 43.7713, 34.3948,
67.2833

■ 53.5478, 50.2381,
69.8261

■ 39.8514, 28.3262,
66.3186

■ 59.4677, 60.1385,
71.4251

■ 36.5305, 23.4004,
65.5428

■ 66.1141, 71.4346,
73.2551

■ 33.7690, 19.5389,
64.9430

■ 73.5138, 84.1798,
75.3252

■ 31.5226, 16.6533,
64.5045

■ 78.5848, 92.2095,
76.6078

■ 29.7394, 14.6407,
64.2100

■ 80.0470, 92.9634,
76.6763

■ 28.3558, 13.3740,
64.0384

■ 81.5489, 93.7376,
76.7466

■ 27.8471, 12.9683,
63.9869

■ 83.0908, 94.5325,
76.8187

■ 84.6730, 95.3482,
76.8928

Harmonies

Analogous

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



43.2805, 41.6753, 80.9540



48.3245, 41.6753, 68.4480



51.1159, 41.6753, 51.2682

Triad

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



48.3245, 41.6753, 68.4480



41.6179, 41.6753, 21.3868



30.3314, 41.6753, 56.3608

Complementary

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



48.3245, 41.6753, 68.4480



46.5448, 58.6042, 41.2083

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.



29.9767, 41.6753, 39.9559



48.3245, 41.6753, 68.4480



36.1552, 41.6753, 22.1332

Square

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



48.3245, 41.6753, 68.4480



47.0095, 41.6753, 25.8240



32.0136, 41.6753, 28.1781



33.0328, 41.6753, 72.9203

Rectangle

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



48.3245, 41.6753, 68.4480



51.1626, 41.6753, 40.5457



32.0136, 41.6753, 28.1781



29.9441, 41.6753, 50.5783

Sweetspot

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



48.3258, 41.6771, 68.4489



87.2653, 86.8334, 106.7689



40.6439, 41.1379, 68.7497



18.3821, 18.0887, 22.7726



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.



48.3258, 41.6771, 68.4489



68.7424, 56.3854, 101.8681



49.9002, 42.6942, 59.2398



12.6756, 12.4897, 15.6802



17.1000, 7.9679, 39.0898



1.0986, 0.5152, 2.3609

Inverse Universe

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



46.9245, 41.5039, 43.5699



66.4032, 56.1501, 57.9058



45.4068, 57.8629, 48.1435



12.5331, 12.4647, 13.4814



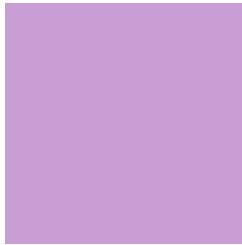
17.1002, 8.7764, 2.5659



1.0628, 0.5419, 0.3202

Previews

White Background



This preview shows how the XYZ color 48.3245, 41.6753, 68.4480 looks on a white background.

Color Contrast Check

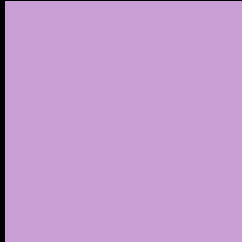
Large Text (above 18pt) WCAG AA × Fail

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 48.3245, 41.6753, 68.4480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

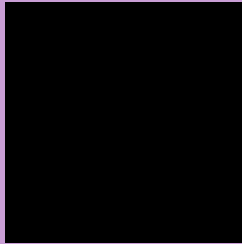
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3245, 41.6753, 68.4480

Background



This preview shows how black text looks on a background with the XYZ color 48.3245, 41.6753, 68.4480.



This preview shows how white text looks on a background with the XYZ color 48.3245, 41.6753,

68.4480.

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

48.3245, 41.6753, 68.4480

Protanopia

42.2449, 41.8733, 74.9631

Deuteranopia

42.7404, 41.7370, 67.4314



Tritanopia

44.1559, 41.8204, 47.3398

Trichromacy



Original Color

48.3245, 41.6753, 68.4480

Protanomaly

44.1016, 41.5009, 72.7039

Deuteranomaly

44.6302, 41.6088, 67.9664

Tritanomaly

45.5033, 41.5641, 54.3396

Monochromacy



Original Color

48.3245, 41.6753, 68.4480

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.9187, 42.9063, 54.6822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3245, 41.6753, 68.4480 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(201, 158, 213)` looks like.

```
.text, #text, p{  
    color:rgb(201, 158, 213)  
}
```

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(201, 158, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 158, 213) }
```

Border

The CSS property to change the border of an element to XYZ 48.3245, 41.6753, 68.4480 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(201, 158, 213) }
```


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

```
.border{ border-color:rgb(201, 158, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 158, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 158, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 158, 213);  
box-shadow:4px 4px 4px 4px rgb(201, 158,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3245, 41.6753, 68.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 158, 213) }
```

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

```
.background{ background-color: rgb(201,  
158, 213) }
```

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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