

Converting Colors

XYZ(48.4452, 45.3820, 53.2215)

Have a look what the booklet for
XYZ(48.4452, 45.3820, 53.2215)
contains.

XYZ(48.2462, 45.1747, 53.1904)	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(48.2462, 45.1747,
53.1904)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAABB
RGB	204, 170, 187
RGB Percent	80%, 67%, 73%
CMY	0.2000, 0.3333, 0.2667
CMYK	0.00, 0.17, 0.08, 0.20
HSL	330°, 25%, 73%
HSV	330°, 17%, 80%
XYZ	48.2462, 45.1747, 53.1904
YIQ	182.1040, 14.8070, 12.4950

Conversions

Conversions Part 2

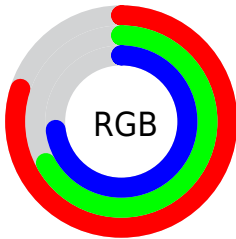
Format	Color
RYB	204, 170, 187
Decimal	13413051
CIELab	73.01, 15.20, -4.05
CIELCh	73, 15.733, 345.065
Yxy	45.1747, 0.3291, 0.3081
Android (android.graphics.Color)	4291603131 (0xFFCCAABB)
YUV	182.1040, 2.4137, 19.2028
Hunter-Lab	67.2121, 10.5096, 0.1275

Details

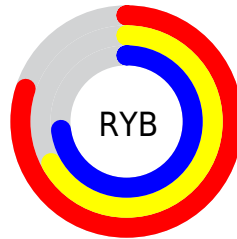
The XYZ color **48.2462, 45.1747, 53.1904** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.1419, 55.3208, 55.2098**, and the grayscale version is **44.5028, 46.8204, 50.9874**.

A 20% lighter version of the original color is **84.3429, 81.5815, 96.0955**, and **23.3592, 21.1621, 25.4078** is the 20% darker color. If you saturate the color by 10%, you get **43.6614, 37.6906, 46.4643**, and if you desaturate by 10%, it is **53.5046, 53.8806, 60.5249**.

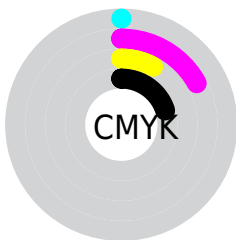
Distribution



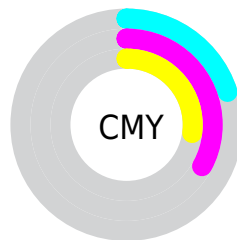
- Red (80%)
- Green (67%)
- Blue (73%)



- Red (80%)
- Yellow (67%)
- Blue (73%)



- Cyan (0%)
- Magenta (17%)
- Yellow (8%)
- Black (20%)





- Cyan (20%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2462, 45.1747, 53.1904 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 48.2462, 45.1747, 53.1904 by changing the saturation by 10% instead.


 48.2462, 45.1747,
53.1904

 48.2462, 45.1747,
53.1904


370.3335,
367.4806, 416.1022

 34.2340, 31.5951,
37.5660


 86.7783, 82.9825,
96.3289

 23.2371, 21.0524,
25.3468


112.0289,
107.9795, 124.6800

 14.8904, 13.1623,
16.1143


141.7564,
137.5510, 158.1105

 8.8283, 7.5404,
9.4498

176.3260,
172.0814, 197.0389

 4.6856, 3.8023,
4.9349

216.1032,
211.9552, 241.8838

 2.0968, 1.5636,
2.1511

261.4533,

 0.6875, 0.3329,

257.5568, 293.0635

0.6459

312.7416,
309.2704, 350.9968

■ 0.0000, 0.0000,
0.0000

■ 48.2462, 45.1747,
53.1904

■ 48.2462, 45.1747,
53.1904

■ 43.6614, 37.6906,
46.4643

■ 53.5046, 53.8806,
60.5249

■ 39.7173, 31.3672,
40.3262

■ 59.4599, 63.8540,
68.4816

■ 36.3844, 26.1469,
34.7585

■ 66.1387, 75.1455,
77.0773

■ 33.6287, 21.9650,
29.7415

■ 73.5653, 87.8013,
86.3275

■ 31.4131, 18.7497,
25.2542

■ 76.0957, 90.5310,
94.3578

■ 29.6956, 16.4202,
21.2733

■ 77.6377, 91.1477,
102.4776

■ 28.4275, 14.8823,
17.7734

■ 78.7121, 91.5775,
108.1354

■ 27.5459, 14.0132,
14.7234

■ 27.2998, 13.7966,
13.7917

Harmonies

Analogous

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



46.7864, 45.1747, 60.6654



48.2462, 45.1747, 53.1904



48.2428, 45.1747, 45.3591

Triad

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



48.2462, 45.1747, 53.1904



41.5787, 45.1747, 35.9773



39.3132, 45.1747, 60.6935

Complementary

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



48.2462, 45.1747, 53.1904



47.1419, 55.3208, 55.2098

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.



38.0356, 45.1747, 53.2256



48.2462, 45.1747, 53.1904



39.3051, 45.1747, 39.2572

Square

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



48.2462, 45.1747, 53.1904



44.3130, 45.1747, 35.9701



38.0327, 45.1747, 45.3908



41.5901, 45.1747, 65.3011

Rectangle

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



48.2462, 45.1747, 53.1904



47.4077, 45.1747, 40.9978



38.0327, 45.1747, 45.3908



38.7570, 45.1747, 58.4012

Sweetspot

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



48.2475, 45.1767, 53.1914



90.1069, 91.7293, 102.2720



45.7691, 43.6761, 63.1454



19.1430, 19.3944, 21.6956



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.



48.2475, 45.1767, 53.1914



77.0453, 70.1307, 83.9691



46.5339, 44.4913, 44.1677



11.4423, 11.3057, 12.8638



17.2297, 8.7025, 8.9281



0.9272, 0.4643, 0.6624

Inverse Universe

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



48.2475, 45.1767, 53.1914



77.0453, 70.1307, 83.9691



49.0709, 56.0924, 65.3679



11.4423, 11.3057, 12.8638



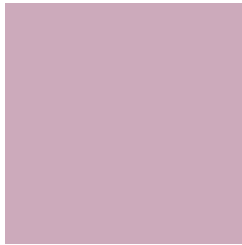
17.2297, 8.7025, 8.9281



0.9272, 0.4643, 0.6624

Previews

White Background



This preview shows how the XYZ color 48.2462, 45.1747, 53.1904 looks on a white background.

Color Contrast Check

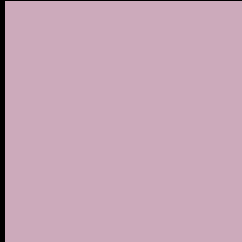
Large Text (above 18pt) WCAG AA × Fail

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 48.2462, 45.1747, 53.1904 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 48.2462, 45.1747, 53.1904

Background



This preview shows how black text looks on a background with the XYZ color 48.2462, 45.1747, 53.1904.



This preview shows how white text looks on a background with the XYZ color 48.2462, 45.1747,

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

48.2462, 45.1747, 53.1904

Protanopia

44.0252, 45.2303, 56.2791

Deuteranopia

46.2471, 45.2866, 52.7581



Tritanopia

48.1165, 45.4239, 51.5791

Trichromacy



Original Color

48.2462, 45.1747, 53.1904

Protanomaly

45.3633, 45.0690, 55.0235

Deuteranomaly

47.0952, 45.4381, 52.7426

Tritanomaly

48.2217, 45.4660, 52.1332

Monochromacy



Original Color

48.2462, 45.1747, 53.1904

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.8073, 46.2486, 51.8600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2462, 45.1747, 53.1904 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(204, 170, 187)` looks like.

```
.text, #text, p{  
    color:rgb(204, 170, 187)  
}
```

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(204, 170, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 170, 187) }
```

Border

The CSS property to change the border of an element to XYZ 48.2462, 45.1747, 53.1904 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(204, 170, 187) }
```


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

```
.border{ border-color:rgb(204, 170, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 170, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 170, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 170, 187);  
box-shadow:4px 4px 4px 4px rgb(204, 170,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2462, 45.1747, 53.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 170, 187) }
```

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

```
.background{ background-color: rgb(204,  
170, 187) }
```

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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