

Converting Colors

XYZ(45.6655, 48.2781, 41.8865)

Have a look what the booklet for
XYZ(45.6655, 48.2781, 41.8865)
contains.

XYZ(45.5796, 48.1678, 42.0170)	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(45.5796, 48.1678,
42.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	C0B8A4
RGB	192, 184, 164
RGB Percent	75%, 72%, 64%
CMY	0.2471, 0.2784, 0.3569
CMYK	0.00, 0.04, 0.15, 0.25
HSL	43°, 18%, 70%
HSV	43°, 15%, 75%
XYZ	45.5796, 48.1678, 42.0170
YIQ	184.1120, 11.1880, -4.5240

Conversions

Conversions Part 2

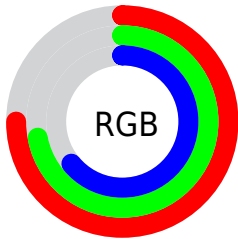
Format	Color
RYB	175, 192, 164
Decimal	12630180
CIELab	74.93, -0.58, 11.17
CIELCh	75, 11.184, 92.965
Yxy	48.1678, 0.3357, 0.3548
Android (android.graphics.Color)	4290820260 (0xFFC0B8A4)
YUV	184.1120, -9.9152, 6.9178
Hunter-Lab	69.4030, -4.2276, 12.6876

Details

The XYZ color **45.5796, 48.1678, 42.0170** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.5767, 41.2026, 55.7366**, and the grayscale version is **45.6717, 48.0502, 52.3266**.

A 20% lighter version of the original color is **83.0132, 87.5744, 79.5461**, and **21.5222, 22.8057, 18.5968** is the 20% darker color. If you saturate the color by 10%, you get **42.8584, 45.2935, 33.1915**, and if you desaturate by 10%, it is **48.6094, 51.2394, 52.2380**.

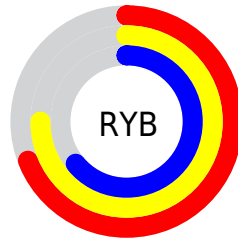
Distribution



Red (75%)

Green (72%)

Blue (64%)



Red (69%)

Yellow (75%)

Blue (64%)

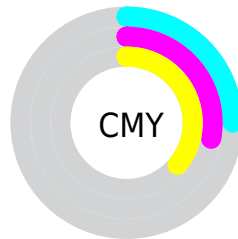


Cyan (0%)

Magenta (4%)

Yellow (15%)

Black (25%)



Cyan (25%)


Magenta (28%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5796, 48.1678, 42.0170 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 45.5796, 48.1678, 42.0170 by changing the saturation by 10% instead.


 45.5796, 48.1678,
42.0170


 45.5796, 48.1678,
42.0170


359.8602,
379.4569, 370.3551

 32.1174, 33.9598,
28.7889


 82.8212, 87.4542,
79.4957

 21.6072, 22.8627,
18.6770


 107.3313,
113.3014, 104.5835

 13.6835, 14.4922,
11.2627


136.2548,
143.7970, 134.4615

 7.9811, 8.4638,
6.1274

169.9571,
179.3256, 169.5484

 4.1346, 4.3931,
2.8527

208.8034,
220.2715, 210.2626

 1.7785, 1.8958,
1.0199

253.1591,

 0.5047, 0.5459,

267.0191, 257.0228

0.0000

303.3896,
319.9527, 310.2475

0.0000, 0.0000,
0.0000

45.5796, 48.1678,
42.0170

45.5796, 48.1678,
42.0170

42.8584, 45.2935,
33.1915

48.6094, 51.2394,
52.2380

40.4296, 42.6045,
25.6967

51.9554, 54.5072,
63.9094

38.2815, 40.0969,
19.4671

55.6296, 57.9785,
77.0867

36.4000, 37.7640,
14.4307

59.6423, 61.6581,
91.8217

34.7694, 35.5990,
10.5078

63.1874, 65.2244,
103.8670

■ 33.3723, 33.5939,
7.6091

■ 64.5765, 68.0027,
104.3300

■ 32.1885, 31.7399,
5.6316

■ 66.0126, 70.8750,
104.8087

■ 31.1939, 30.0263,
4.4503

■ 67.4961, 73.8420,
105.3032

■ 30.7082, 29.1460,
4.0072

■ 69.0275, 76.9047,
105.8137

Harmonies

Analogous

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



47.5866, 48.1678, 43.0706



45.5796, 48.1678, 42.0170



43.6824, 48.1678, 43.5819

Triad

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



45.5796, 48.1678, 42.0170



42.5720, 48.1678, 58.7941



49.3624, 48.1678, 57.7155

Complementary

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



45.5796, 48.1678, 42.0170



39.5767, 41.2026, 55.7366

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.



47.9479, 48.1678, 62.4385



45.5796, 48.1678, 42.0170



44.0237, 48.1678, 63.0930

Square

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



45.5796, 48.1678, 42.0170



41.9786, 48.1678, 53.0293



45.9851, 48.1678, 64.4732



49.8085, 48.1678, 51.8680

Rectangle

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



45.5796, 48.1678, 42.0170



42.7242, 48.1678, 45.9726



45.9851, 48.1678, 64.4732



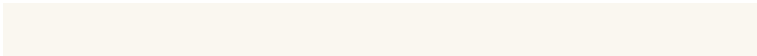
48.9824, 48.1678, 59.5015

Sweetspot

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



45.5809, 48.1699, 42.0180



88.3771, 93.1403, 95.6832



42.4992, 40.7520, 44.8581



18.8656, 19.8881, 20.2037



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.5809, 48.1699, 42.0180



81.2090, 85.8448, 71.5887



45.8981, 50.8694, 42.5224



10.6625, 11.2565, 10.6726



20.7322, 19.7502, 2.7195



0.9521, 0.9661, 0.1363

Inverse Universe

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



39.5767, 41.2026, 55.7366



68.5635, 71.1715, 100.4841



39.2818, 38.8590, 55.2998



9.7574, 10.2061, 12.7405



7.3744, 4.5054, 34.0376



0.3794, 0.3162, 1.4909

Previews

White Background



This preview shows how the XYZ color 45.5796, 48.1678, 42.0170 looks on a white background.

Color Contrast Check

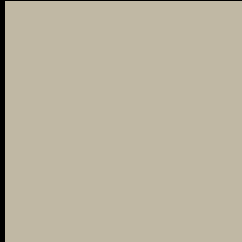
Large Text (above 18pt) WCAG AA × Fail

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 45.5796, 48.1678, 42.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

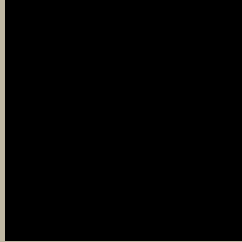
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5796, 48.1678, 42.0170

Background



This preview shows how black text looks on a background with the XYZ color 45.5796, 48.1678, 42.0170.



This preview shows how white text looks on a background with the XYZ color 45.5796, 48.1678,

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

45.5796, 48.1678, 42.0170

Protanopia

45.5796, 48.1678, 42.0170

Deuteranopia

49.0064, 48.1127, 42.3011



Tritanopia

48.8238, 48.2733, 57.7833

Trichromacy



Original Color

45.5796, 48.1678, 42.0170

Protanomaly

45.5796, 48.1678, 42.0170

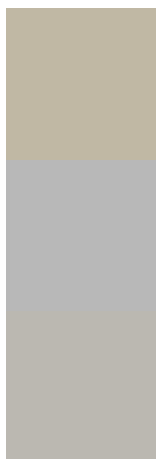
Deuteranomaly

47.7414, 48.0556, 42.3567

Tritanomaly

47.5768, 48.0687, 51.5704

Monochromacy



Original Color

45.5796, 48.1678, 42.0170

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.5698, 48.0201, 48.4620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5796, 48.1678, 42.0170 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(192, 184, 164)` looks like.

```
.text, #text, p{  
    color:rgb(192, 184, 164)  
}
```

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(192, 184, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 184, 164) }
```

Border

The CSS property to change the border of an element to XYZ 45.5796, 48.1678, 42.0170 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(192, 184, 164) }
```


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

```
.border{ border-color:rgb(192, 184, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 184, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 184, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 184, 164);  
box-shadow:4px 4px 4px 4px rgb(192, 184,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5796, 48.1678, 42.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 184, 164) }
```

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

```
.background{ background-color: rgb(192,  
184, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor