

Converting Colors

XYZ(51.7215, 45.1645, 16.1336)

Have a look what the booklet for
XYZ(51.7215, 45.1645, 16.1336)
contains.

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Color

**XYZ(51.8108, 45.1474,
16.1088)**

Conversions

Conversions Part 1

Format	Color
Hex	F4A05C
RGB	244, 160, 92
RGB Percent	96%, 63%, 36%
CMY	0.0431, 0.3725, 0.6392
CMYK	0.00, 0.34, 0.62, 0.04
HSL	27°, 87%, 66%
HSV	27°, 62%, 96%
XYZ	51.8108, 45.1474, 16.1088
YIQ	177.3640, 71.8920, -3.3400

Conversions

Conversions Part 2

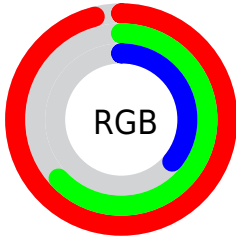
Format	Color
R _Y B	244, 215, 92
Decimal	16031836
CIE Lab	72.99, 24.87, 47.65
CIE LCh	73, 53.750, 62.439
Yxy	45.1474, 0.4582, 0.3993
Android (android.graphics.Color)	4294221916 (0xFFFF4A05C)
YUV	177.3640, -42.0845, 58.4398
Hunter-Lab	67.1918, 20.0535, 32.8199

Details

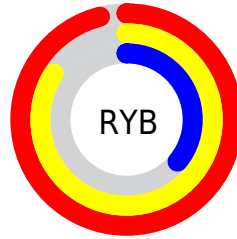
The XYZ color **51.8108, 45.1474, 16.1088** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **36.2672, 39.8556, 91.3689**, and the grayscale version is **42.1706, 44.3667, 48.3154**.

A 20% lighter version of the original color is **70.5745, 71.8745, 36.5390**, and **25.5476, 21.0826, 4.9133** is the 20% darker color. If you saturate the color by 10%, you get **48.6991, 40.3651, 10.6299**, and if you desaturate by 10%, it is **55.5216, 50.5787, 23.4822**.

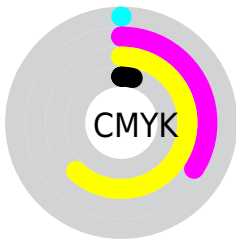
Distribution



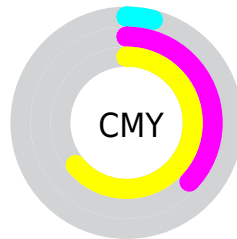
- Red (96%)
- Green (63%)
- Blue (36%)



- Red (96%)
- Yellow (84%)
- Blue (36%)



- Cyan (0%)
- Magenta (34%)
- Yellow (62%)
- Black (4%)





- Cyan (4%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8108, 45.1474, 16.1088 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 51.8108, 45.1474, 16.1088 by changing the saturation by 10% instead.


 51.8108, 45.1474,
16.1088


 51.8108, 45.1474,
16.1088


384.0417,
367.3702, 241.8505

 37.0779, 31.5735,
9.4460


 92.0280, 82.9416,
37.5564


 25.4418, 21.0360,
4.9324

 118.2431,
107.9306, 53.1783

 16.5370, 13.1503,
2.1496


 149.0163,
137.4936, 72.6236

 9.9982, 7.5321,
0.6451

 184.7130,
172.0148, 96.3108

 5.4600, 3.7971,
0.0000

225.6986,
211.8787, 124.6586

 2.5571, 1.5607,
0.0000

272.3383,

 0.9242, 0.3309,

257.4696, 158.0855

0.0000

324.9975,
309.1720, 197.0099

■ 0.0000, 0.0000,
0.0000

■ 51.8108, 45.1474,
16.1088

■ 51.8108, 45.1474,
16.1088

■ 48.6991, 40.3651,
10.6299

■ 55.5216, 50.5787,
23.4822

■ 46.1408, 36.1950,
6.8594

■ 59.8657, 56.6795,
32.9071

■ 44.0872, 32.6060,
4.5772

■ 64.8781, 63.4773,
44.5266

■ 42.7945, 30.2060,
3.5748

■ 70.5901, 70.9959,
58.4704

■ 77.0308, 79.2579,
74.8578

■ 84.2273, 88.2847,
93.8001

■ 90.9235, 97.5840,
108.6512

■ 91.1180, 97.9730,
108.7160

Harmonies

Analogous

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



60.0074, 45.1474, 26.3267



51.8108, 45.1474, 16.1088



42.1481, 45.1474, 13.4995

Triad

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



51.8108, 45.1474, 16.1088



27.2937, 45.1474, 51.3895



53.3332, 45.1474, 106.9219

Complementary

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



51.8108, 45.1474, 16.1088



36.2672, 39.8556, 91.3689

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.



43.6836, 45.1474, 120.9488



51.8108, 45.1474, 16.1088



29.4162, 45.1474, 82.4042

Square

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



51.8108, 45.1474, 16.1088



28.8233, 45.1474, 28.9189



35.0940, 45.1474, 110.6556



60.9726, 45.1474, 77.1462

Rectangle

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



51.8108, 45.1474, 16.1088



36.3873, 45.1474, 15.1991



35.0940, 45.1474, 110.6556



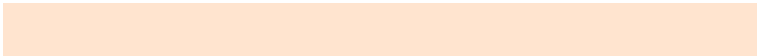
50.1718, 45.1474, 114.0408

Sweetspot

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



51.8119, 45.1497, 16.1096



80.2534, 81.3547, 70.2167



49.1847, 30.1074, 45.4090



16.7566, 16.8691, 13.9715



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.



51.8119, 45.1497, 16.1096



52.9559, 43.2225, 10.3650



68.6246, 78.7753, 21.7139



17.1095, 17.7032, 17.3129



23.4013, 16.6881, 1.9877



2.1577, 1.6686, 0.2084

Inverse Universe

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



36.2672, 39.8556, 91.3689



34.4169, 36.8391, 99.9044



25.5075, 18.3364, 87.7824



16.3404, 17.4452, 21.0486



13.7157, 13.2252, 48.3679



1.3080, 1.3674, 4.2852

Previews

White Background



This preview shows how the XYZ color 51.8108, 45.1474, 16.1088 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 51.8108, 45.1474, 16.1088 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 51.8108, 45.1474, 16.1088

Background



This preview shows how black text looks on a background with the XYZ color 51.8108, 45.1474, 16.1088.



This preview shows how white text looks on a background with the XYZ color 51.8108, 45.1474,

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

51.8108, 45.1474, 16.1088

Protanopia

41.8621, 45.5491, 18.3899

Deuteranopia

46.1849, 45.2192, 15.7452



Tritanopia

56.9060, 45.2406, 40.3834

Trichromacy



Original Color

51.8108, 45.1474, 16.1088

Protanomaly

45.0792, 45.1787, 17.4108

Deuteranomaly

47.9773, 45.0336, 15.8365

Tritanomaly

54.5945, 45.0230, 29.4798

Monochromacy



Original Color

51.8108, 45.1474, 16.1088

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.8386, 43.6186, 33.3028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8108, 45.1474, 16.1088 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(244, 160, 92)` looks like.

```
.text, #text, p{  
    color:rgb(244, 160, 92)  
}
```

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(244, 160, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 160, 92) }
```

Border

The CSS property to change the border of an element to XYZ 51.8108, 45.1474, 16.1088 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(244, 160, 92) }
```


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

```
.border{ border-color:rgb(244, 160, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 160, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 160, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 160, 92);  
box-shadow:4px 4px 4px 4px rgb(244, 160,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8108, 45.1474, 16.1088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 160, 92) }
```

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

```
.background{ background-color: rgb(244,  
160, 92) }
```

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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