

Converting Colors

XYZ(51.6886, 45.9781, 14.4358)

Have a look what the booklet for
XYZ(51.6886, 45.9781, 14.4358)
contains.

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Color

**XYZ(51.6596, 45.8892,
14.5222)**

Conversions

Conversions Part 1

Format	Color
Hex	F3A354
RGB	243, 163, 84
RGB Percent	95%, 64%, 33%
CMY	0.0471, 0.3608, 0.6706
CMYK	0.00, 0.33, 0.65, 0.05
HSL	30°, 87%, 64%
HSV	30°, 65%, 95%
XYZ	51.6596, 45.8892, 14.5222
YIQ	177.9140, 73.0390, -7.6090

Conversions

Conversions Part 2

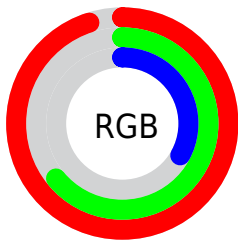
Format	Color
R_{YB}	243, 241, 84
Decimal	15967060
CIE _{Lab}	73.47, 22.38, 52.08
CIE _{LCh}	73, 56.686, 66.743
Yxy	45.8892, 0.4610, 0.4095
Android (android.graphics.Color)	4294157140 (0xFFFF3A354)
YUV	177.9140, -46.2996, 57.0804
Hunter-Lab	67.7416, 17.5760, 34.7087

Details

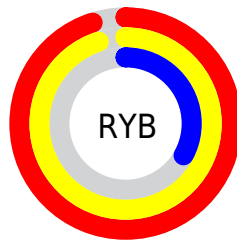
The XYZ color **51.6596, 45.8892, 14.5222** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.1084, 34.9050, 89.7859**, and the grayscale version is **42.4827, 44.6951, 48.6729**.

A 20% lighter version of the original color is **70.7553, 73.1804, 33.6886**, and **25.2504, 21.4238, 4.2432** is the 20% darker color. If you saturate the color by 10%, you get **48.8012, 41.4406, 9.6605**, and if you desaturate by 10%, it is **55.0601, 50.8942, 21.1934**.

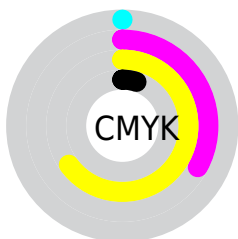
Distribution



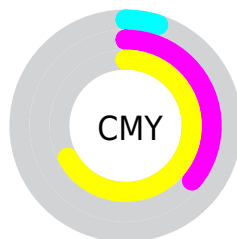
- Red (95%)
- Green (64%)
- Blue (33%)



- Red (95%)
- Yellow (95%)
- Blue (33%)



- Cyan (0%)
- Magenta (33%)
- Yellow (65%)
- Black (5%)



- Cyan (5%)
- Magenta (36%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6596, 45.8892, 14.5222 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 51.6596, 45.8892, 14.5222 by changing the saturation by 10% instead.

51.6596, 45.8892,
14.5222

51.6596, 45.8892,
14.5222

383.4666,
370.3630, 231.9960

36.9570, 32.1584,
8.3419

91.8062, 84.0532,
34.7431

25.3477, 21.4825,
4.2236

117.9810,
109.2551, 49.6208

16.4664, 13.4772,
1.7488

148.7105,
139.0495, 68.2347

9.9477, 7.7579,
0.3938

184.3601,
173.8209, 91.0033

5.4263, 3.9404,
0.0000

225.2951,
213.9535, 118.3452

2.5368, 1.6403,
0.0000

271.8810,

0.9139, 0.3845,

259.8318, 150.6789

0.0000

324.4831,
311.8402, 188.4230

■ 0.0000, 0.0000,
0.0000

■ 51.6596, 45.8892,
14.5222

■ 51.6596, 45.8892,
14.5222

■ 48.8012, 41.4406,
9.6605

■ 55.0601, 50.8942,
21.1934

■ 46.4398, 37.5152,
6.4151

■ 59.0357, 56.4722,
29.8351

■ 44.5261, 34.0853,
4.5521

■ 63.6204, 62.6475,
40.5934

■ 43.7684, 32.6674,
3.9986

■ 68.8438, 69.4404,
53.5996

■ 74.7338, 76.8701,
68.9742

81.3161, 84.9548,
86.8291

88.6152, 93.7120,
107.2690

90.7719, 97.7946,
108.6998

Harmonies

Analogous

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



60.9143, 45.8892, 23.7273



51.6596, 45.8892, 14.5222



41.3968, 45.8892, 12.7987

Triad

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



51.6596, 45.8892, 14.5222



27.1690, 45.8892, 56.7162



56.1631, 45.8892, 108.3750

Complementary

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



51.6596, 45.8892, 14.5222



33.1084, 34.9050, 89.7859

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.



45.9138, 45.8892, 127.0539



51.6596, 45.8892, 14.5222



29.9487, 45.8892, 90.6906

Square

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



51.6596, 45.8892, 14.5222



28.2252, 45.8892, 31.2197



36.4545, 45.8892, 119.5773



63.7797, 45.8892, 75.0225

Rectangle

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



51.6596, 45.8892, 14.5222



35.5216, 45.8892, 15.1525



36.4545, 45.8892, 119.5773



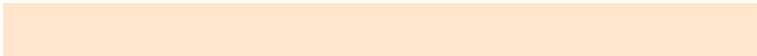
52.8559, 45.8892, 117.0613

Sweetspot

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



51.6607, 45.8915, 14.5231



80.2530, 81.8475, 68.6951



47.0292, 28.1543, 39.1045



16.7858, 17.0232, 13.6859



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.



51.6607, 45.8915, 14.5231



53.3931, 44.5177, 9.2135



69.8253, 82.2208, 20.5780



17.1793, 17.8428, 17.3361



24.1565, 18.1985, 2.2395



2.2258, 1.8049, 0.2311

Inverse Universe

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



33.1084, 34.9050, 89.7859



31.2521, 31.4016, 99.0217



23.2140, 15.1161, 86.4878



16.2701, 17.3046, 21.0252



12.8508, 11.4954, 48.0796



1.2323, 1.2159, 4.2600

Previews

White Background



This preview shows how the XYZ color 51.6596, 45.8892, 14.5222 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 51.6596, 45.8892, 14.5222 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 51.6596, 45.8892, 14.5222

Background



This preview shows how black text looks on a background with the XYZ color 51.6596, 45.8892, 14.5222.



This preview shows how white text looks on a background with the XYZ color 51.6596, 45.8892,

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

51.6596, 45.8892, 14.5222

Protanopia

42.1888, 46.0653, 16.3408

Deuteranopia

47.0160, 45.9615, 14.3761



Tritanopia

57.4141, 45.9676, 41.4439

Trichromacy



Original Color

51.6596, 45.8892, 14.5222

Protanomaly

45.2164, 45.5756, 15.6463

Deuteranomaly

48.7043, 45.9894, 14.4935

Tritanomaly

54.8587, 45.6657, 29.2155

Monochromacy



Original Color

51.6596, 45.8892, 14.5222

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.3347, 44.4573, 32.6300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6596, 45.8892, 14.5222 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(243, 163, 84)` looks like.

```
.text, #text, p{  
    color:rgb(243, 163, 84)  
}
```

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(243, 163, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 163, 84) }
```

Border

The CSS property to change the border of an element to XYZ 51.6596, 45.8892, 14.5222 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(243, 163, 84) }
```


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

```
.border{ border-color:rgb(243, 163, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 163, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 163, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 163, 84);  
box-shadow:4px 4px 4px 4px rgb(243, 163,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6596, 45.8892, 14.5222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 163, 84) }
```

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

```
.background{ background-color: rgb(243,  
163, 84) }
```

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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