

Converting Colors

XYZ(52.7707, 44.4663, 10.6542)

Have a look what the booklet for
XYZ(52.7707, 44.4663, 10.6542)
contains.

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Color

**XYZ(52.7916, 44.5083,
10.6590)**

Conversions

Conversions Part 1

Format	Color
Hex	FC9B40
RGB	252, 155, 64
RGB Percent	99%, 61%, 25%
CMY	0.0118, 0.3921, 0.7490
CMYK	0.00, 0.38, 0.75, 0.01
HSL	29°, 97%, 62%
HSV	29°, 75%, 99%
XYZ	52.7916, 44.5083, 10.6590
YIQ	173.6290, 87.0230, -7.7370

Conversions

Conversions Part 2

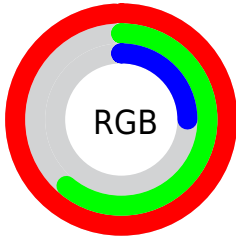
Format	Color
R _Y B	252, 240, 64
Decimal	16554816
CIE Lab	72.57, 29.25, 60.53
CIE LCh	73, 67.223, 64.208
Yxy	44.5083, 0.4890, 0.4123
Android (android.graphics.Color)	4294744896 (0xFFFC9B40)
YUV	173.6290, -54.0471, 68.7314
Hunter-Lab	66.7145, 24.4976, 37.2274

Details

The XYZ color **52.7916, 44.5083, 10.6590** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.4289, 33.6061, 96.8721**, and the grayscale version is **40.2801, 42.3778, 46.1494**.

A 20% lighter version of the original color is **67.4975, 68.6375, 26.5205**, and **26.0855, 20.6476, 2.6105** is the 20% darker color. If you saturate the color by 10%, you get **50.1814, 40.1883, 7.0146**, and if you desaturate by 10%, it is **55.9605, 49.4284, 16.0870**.

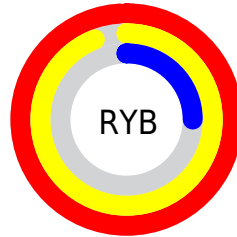
Distribution



Red (99%)

Green (61%)

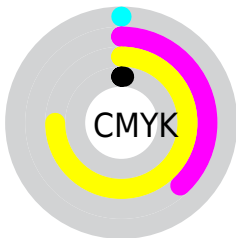
Blue (25%)



Red (99%)

Yellow (94%)

Blue (25%)

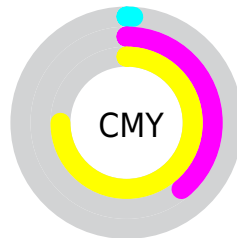


Cyan (0%)

Magenta (38%)

Yellow (75%)

Black (1%)



Cyan (1%)


Magenta (39%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7916, 44.5083, 10.6590 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 52.7916, 44.5083, 10.6590 by changing the saturation by 10% instead.


 52.7916, 44.5083,
10.6590

 52.7916, 44.5083,
10.6590


387.7590,
364.7785, 205.9656

 37.8632, 31.0703,
5.7268

 93.4650, 81.9821,
27.6548

 26.0533, 20.6524,
2.6136


 119.9407,
106.7866, 40.5554


 16.9964, 12.8702,
0.8994


 150.9963,
136.1489, 56.9493

 10.3272, 7.3392,
0.0000

 186.9970,
170.4531, 77.2549

 5.6804, 3.6751,
0.0000

 228.3083,
210.0838, 101.8908

 2.6905, 1.4935,
0.0000

275.2955,

 0.9923, 0.2842,

255.4254, 131.2755

0.0000

328.3240,
306.8621, 165.8276

■ 0.0000, 0.0000,
0.0000

■ 52.7916, 44.5083,
10.6590

■ 52.7916, 44.5083,
10.6590

■ 50.1814, 40.1883,
7.0146

■ 55.9605, 49.4284,
16.0870

■ 48.0721, 36.4277,
4.8991


■ 59.7306, 54.9711,
23.5023


■ 47.1025, 34.6111,
4.1980


■ 64.1431, 61.1655,
33.0829

■ 69.2339, 68.0363,
44.9863

■ 75.0358, 75.6065,
59.3552

 81.5793, 83.8981,
76.3205

 88.8931, 92.9317,
96.0040

 93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



63.6077, 44.5083, 20.6507



52.7916, 44.5083, 10.6590



40.6852, 44.5083, 8.5546

Triad

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



52.7916, 44.5083, 10.6590



23.7011, 44.5083, 53.3113



56.1525, 44.5083, 123.0012

Complementary

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



52.7916, 44.5083, 10.6590



32.4289, 33.6061, 96.8721

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.



43.9648, 44.5083, 144.4169



52.7916, 44.5083, 10.6590



26.3828, 44.5083, 94.0838

Square

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



52.7916, 44.5083, 10.6590



25.2039, 44.5083, 25.6075



33.3060, 44.5083, 131.9476



65.7841, 44.5083, 81.9848

Rectangle

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



52.7916, 44.5083, 10.6590



33.7859, 44.5083, 10.3888



33.3060, 44.5083, 131.9476



52.1450, 44.5083, 133.4114

Sweetspot

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



52.7926, 44.5106, 10.6598



78.7490, 79.8024, 65.2249



48.4230, 26.9403, 36.4281



16.4821, 16.6027, 13.0082



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.



52.7926, 44.5106, 10.6598



50.3092, 39.1089, 5.8454



74.9043, 88.7339, 18.0304



17.9381, 18.6120, 18.1094



24.6826, 18.3218, 2.2356



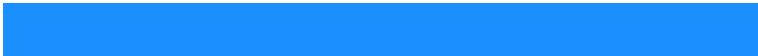
2.3917, 1.9082, 0.2423

Inverse Universe

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



32.4289, 33.6061, 96.8721



28.4221, 27.3506, 98.3889



21.7003, 12.1488, 93.2959



17.0237, 18.1243, 21.9864



13.4603, 12.2762, 49.6337



1.3528, 1.3493, 4.6323

Previews

White Background



This preview shows how the XYZ color 52.7916, 44.5083, 10.6590 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 52.7916, 44.5083, 10.6590 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 52.7916, 44.5083, 10.6590

Background



This preview shows how black text looks on a background with the XYZ color 52.7916, 44.5083, 10.6590.



This preview shows how white text looks on a background with the XYZ color 52.7916, 44.5083,

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

52.7916, 44.5083, 10.6590

Protanopia

40.8106, 44.8372, 12.4647

Deuteranopia

45.4088, 44.3797, 10.3105



Tritanopia

57.7595, 44.5618, 37.4553

Trichromacy



Original Color

52.7916, 44.5083, 10.6590

Protanomaly

44.3316, 44.0722, 11.6391

Deuteranomaly

48.0494, 44.3803, 10.4486

Tritanomaly

55.3545, 44.3136, 24.3748

Monochromacy



Original Color

52.7916, 44.5083, 10.6590

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.4789, 41.9152, 28.4058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7916, 44.5083, 10.6590 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(252, 155, 64)` looks like.

```
.text, #text, p{  
    color:rgb(252, 155, 64)  
}
```

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(252, 155, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 155, 64) }
```

Border

The CSS property to change the border of an element to XYZ 52.7916, 44.5083, 10.6590 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(252, 155, 64) }
```


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

```
.border{ border-color:rgb(252, 155, 64) }
```

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

Here you see how a box with a 4 pixel rgb(252, 155, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 155, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 155, 64);  
box-shadow:4px 4px 4px 4px rgb(252, 155,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7916, 44.5083, 10.6590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 155, 64) }
```

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

```
.background{ background-color: rgb(252,  
155, 64) }
```

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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