

Converting Colors

XYZ(63.9825, 50.7994, 10.7064)

Have a look what the booklet for
XYZ(63.9825, 50.7994, 10.7064)
contains.

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Color

**XYZ(54.1126, 45.7002,
10.2439)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9D3C
RGB	255, 157, 60
RGB Percent	100%, 62%, 24%
CMY	0.0000, 0.3843, 0.7647
CMYK	0.00, 0.38, 0.76, 0.00
HSL	30°, 100%, 62%
HSV	30°, 76%, 100%
XYZ	54.1126, 45.7002, 10.2439
YIQ	175.2440, 89.5450, -9.3910

Conversions

Conversions Part 2

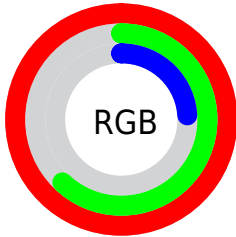
Format	Color
R _Y B	255, 253, 60
Decimal	16751932
CIE Lab	73.35, 29.27, 63.09
CIE LCh	73, 69.549, 65.110
Yxy	45.7002, 0.4917, 0.4152
Android (android.graphics.Color)	4294942012 (0xFFFF9D3C)
YUV	175.2440, -56.8153, 69.9460
Hunter-Lab	67.6019, 24.5787, 38.3370

Details

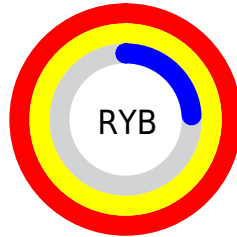
The XYZ color **54.1126, 45.7002, 10.2439** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.1395, 32.6326, 99.2119**, and the grayscale version is **41.1280, 43.2699, 47.1209**.

A 20% lighter version of the original color is **67.7641, 69.5392, 25.4736**, and **27.0439, 21.4406, 2.7131** is the 20% darker color. If you saturate the color by 10%, you get **51.5383, 41.3833, 6.8231**, and if you desaturate by 10%, it is **57.2408, 50.6065, 15.4505**.

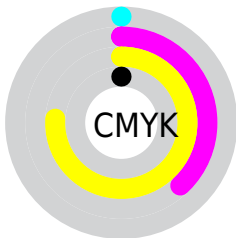
Distribution



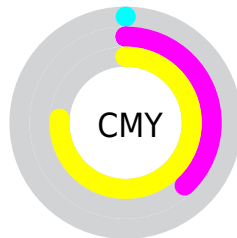
- Red (100%)
- Green (62%)
- Blue (24%)



- Red (100%)
- Yellow (99%)
- Blue (24%)



- Cyan (0%)
- Magenta (38%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.1126, 45.7002, 10.2439 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 54.1126, 45.7002, 10.2439 by changing the saturation by 10% instead.


 54.1126, 45.7002,
10.2439


 54.1126, 45.7002,
10.2439


392.7306,
369.6020, 202.9517


 38.9227, 32.0093,
5.4533

 95.3955, 83.7701,
26.8682

 26.8801, 21.3686,
2.4522


 122.2192,
108.9180, 39.5390


 17.6193, 13.3937,
0.8147


 153.6515,
138.6536, 55.6735

 10.7750, 7.7002,
0.0000

 190.0579,
173.3614, 75.6903

 5.9819, 3.9037,
0.0000

 231.8037,
213.4257, 100.0080

 2.8747, 1.6199,
0.0000

279.2541,

 1.0878, 0.3709,

259.2310, 129.0451

0.0000

332.7746,
311.1617, 163.2202

■ 0.0149, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.1126, 45.7002,
10.2439

■ 54.1126, 45.7002,
10.2439

■ 51.5383, 41.3833,
6.8231

■ 57.2408, 50.6065,
15.4505

■ 49.4563, 37.6140,
4.9121

■ 60.9677, 56.1248,
22.6595

■ 48.8103, 36.4009,
4.4535

■ 65.3358, 62.2844,
32.0588

■ 70.3822, 69.1099,
43.8136

76.1408, 76.6244,
58.0732

82.6431, 84.8497,
74.9742

89.9181, 93.8062,
94.6436

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



65.6710, 45.7002, 20.1916



54.1126, 45.7002, 10.2439



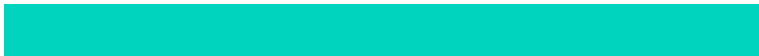
41.3742, 45.7002, 8.2936

Triad

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



54.1126, 45.7002, 10.2439



23.9611, 45.7002, 56.0073



58.4256, 45.7002, 127.7595

Complementary

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



54.1126, 45.7002, 10.2439



32.1395, 32.6326, 99.2119

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.



45.5666, 45.7002, 151.5956



54.1126, 45.7002, 10.2439



26.8900, 45.7002, 99.4578

Square

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



54.1126, 45.7002, 10.2439



25.3961, 45.7002, 26.4433



34.2662, 45.7002, 139.3490



68.4709, 45.7002, 83.8553

Rectangle

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



54.1126, 45.7002, 10.2439



34.1963, 45.7002, 10.2821



34.2662, 45.7002, 139.3490



54.2076, 45.7002, 139.1315

Sweetspot

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



54.1136, 45.7026, 10.2447



78.3115, 79.3970, 63.6314



49.2668, 27.0563, 36.2289



16.2786, 16.3768, 12.3825



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.



54.1136, 45.7026, 10.2447



50.3306, 39.2334, 5.6007



76.7871, 91.0496, 17.8026



18.7558, 19.4799, 18.9158



25.6537, 19.3186, 2.3768



2.6070, 2.0993, 0.2678

Inverse Universe

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



32.1395, 32.6326, 99.2119



27.4774, 25.6344, 98.1075



21.7051, 11.7638, 95.7338



17.7573, 18.8863, 22.9595



13.6244, 12.1583, 51.0633



1.4358, 1.4023, 5.0083

Previews

White Background



This preview shows how the XYZ color 54.1126, 45.7002, 10.2439 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 54.1126, 45.7002, 10.2439 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 54.1126, 45.7002, 10.2439

Background



This preview shows how black text looks on a background with the XYZ color 54.1126, 45.7002, 10.2439.



This preview shows how white text looks on a background with the XYZ color 54.1126, 45.7002,

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

54.1126, 45.7002, 10.2439

Protanopia

41.8644, 45.9977, 11.8262

Deuteranopia

46.6165, 45.5704, 9.9534



Tritanopia

58.4915, 45.6108, 38.9786

Trichromacy



Original Color

54.1126, 45.7002, 10.2439

Protanomaly

45.4967, 45.2474, 11.1862

Deuteranomaly

49.2998, 45.5724, 10.0689

Tritanomaly

56.2693, 45.4977, 24.8850

Monochromacy



Original Color

54.1126, 45.7002, 10.2439

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.1381, 42.5361, 28.1270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.1126, 45.7002, 10.2439 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(255, 157, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 60)  
}
```

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(255, 157, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 60) }
```

Border

The CSS property to change the border of an element to XYZ 54.1126, 45.7002, 10.2439 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(255, 157, 60) }
```


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

```
.border{ border-color:rgb(255, 157, 60) }
```

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

Here you see how a box with a 4 pixel rgb(255, 157, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 54.1126, 45.7002, 10.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 60) }
```

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

```
.background{ background-color: rgb(255,  
157, 60) }
```

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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