

# Converting Colors

XYZ(54.4672, 48.5329, 10.0511)

Have a look what the booklet for  
XYZ(54.4672, 48.5329, 10.0511)  
contains.

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# Color

**XYZ(54.2920, 48.4225,  
10.0994)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBA737
RGB	251, 167, 55
RGB Percent	98%, 65%, 22%
CMY	0.0157, 0.3451, 0.7843
CMYK	0.00, 0.33, 0.78, 0.02
HSL	34°, 96%, 60%
HSV	34°, 78%, 98%
XYZ	54.2920, 48.4225, 10.0994
YIQ	179.3480, 86.0160, -17.0240

# Conversions

## Conversions Part 2

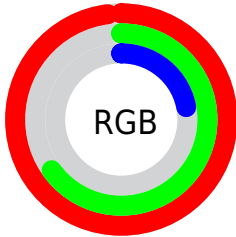
Format	Color
R <sub>Y</sub> B	202, 251, 55
Decimal	16492343
CIE Lab	75.09, 22.23, 66.52
CIE LCh	75, 70.135, 71.522
Yxy	48.4225, 0.4813, 0.4292
Android (android.graphics.Color)	4294682423 (0xFFFB737)
YUV	179.3480, -61.3036, 62.8388
Hunter-Lab	69.5863, 17.4917, 40.1053

# Details

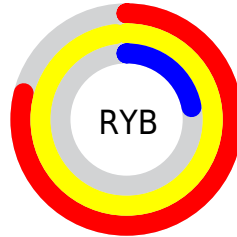
The XYZ color **54.2920, 48.4225, 10.0994** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **28.2203, 26.2414, 94.8440**, and the grayscale version is **43.3198, 45.5758, 49.6321**.

A 20% lighter version of the original color is **70.1757, 74.6283, 25.4579**, and **27.1170, 23.0803, 3.0257** is the 20% darker color. If you saturate the color by 10%, you get **51.9471, 44.4635, 7.0663**, and if you desaturate by 10%, it is **57.1086, 52.8365, 14.7980**.

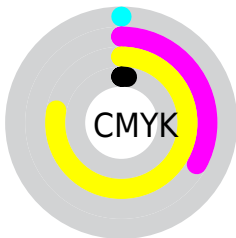
# Distribution



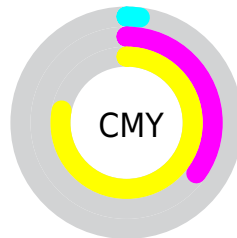
- Red (98%)
- Green (65%)
- Blue (22%)



- Red (79%)
- Yellow (98%)
- Blue (22%)



- Cyan (0%)
- Magenta (33%)
- Yellow (78%)
- Black (2%)




- Cyan (2%)
- Magenta (35%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2920, 48.4225, 10.0994 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 54.2920, 48.4225, 10.0994 by changing the saturation by 10% instead.





 54.2920, 48.4225,  
10.0994


 54.2920, 48.4225,  
10.0994


393.4027,  
380.4644, 201.8906


 39.0668, 34.1616,  
5.3584

 95.6572, 87.8331,  
26.5930


 26.9926, 23.0178,  
2.3967


 122.5279,  
113.7516, 39.1828


 17.7042, 14.6066,  
0.7846


 154.0112,  
144.3248, 55.2259

 10.8363, 8.5438,  
0.0000

 190.4723,  
179.9370, 75.1409

 6.0233, 4.4448,  
0.0000

 232.2766,  
220.9727, 99.3463

 2.9001, 1.9254,  
0.0000

 279.7896,

 1.1011, 0.5636,

267.8162, 128.2607

0.0000

333.3765,  
320.8520, 162.3026

■ 0.0261, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.2920, 48.4225,  
10.0994

■ 54.2920, 48.4225,  
10.0994

■ 51.9471, 44.4635,  
7.0663

■ 57.1086, 52.8365,  
14.7980


■ 50.0108, 40.9218,  
5.4008


■ 60.4382, 57.7221,  
21.3756


■ 49.6714, 40.2851,  
5.1578

■ 64.3201, 63.1030,  
30.0162

■ 68.7884, 68.9985,  
40.8808

 73.8738, 75.4264,  
54.1146

 79.6046, 82.4036,  
69.8501

 86.0073, 89.9458,  
88.2100

 92.9770, 98.0163,  
108.6264

 93.5934, 99.2491,  
108.8318

# Harmonies

## Analogous

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



67.0696, 48.4225, 18.3933



54.2920, 48.4225, 10.0994



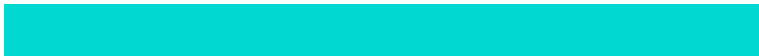
41.2714, 48.4225, 9.3801

# Triad

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



54.2920, 48.4225, 10.0994



25.8405, 48.4225, 68.1286



64.3863, 48.4225, 125.2610

# Complementary

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



54.2920, 48.4225, 10.0994



28.2203, 26.2414, 94.8440

# 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.



51.1284, 48.4225, 156.6378



54.2920, 48.4225, 10.0994



29.9179, 48.4225, 114.7777

# Square

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



54.2920, 48.4225, 10.0994



26.3713, 48.4225, 33.3558



38.6414, 48.4225, 152.0982



73.6032, 48.4225, 78.4292



# Rectangle

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



54.2920, 48.4225, 10.0994



34.2961, 48.4225, 12.5245



38.6414, 48.4225, 152.0982



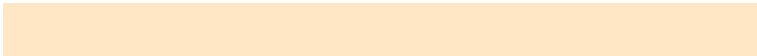
60.1607, 48.4225, 138.7657

# Sweetspot

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



54.2931, 48.4250, 10.1003



79.5032, 81.7806, 64.0286



45.8786, 25.1334, 27.2190



16.5665, 16.9525, 12.4784



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.



54.2931, 48.4250, 10.1003



52.6019, 43.8423, 6.1532



70.4240, 87.4353, 16.7799



18.0681, 18.8720, 18.1528



26.2570, 21.4707, 2.7604



2.5370, 2.1989, 0.2907



# Inverse Universe

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



28.2203, 26.2414, 94.8440



24.7329, 20.2860, 97.2198



21.1676, 10.9292, 92.2601



16.8947, 17.8661, 21.9434



12.0852, 9.5261, 49.1753



1.2221, 1.0880, 4.5888



# Previews

## White Background



This preview shows how the XYZ color 54.2920, 48.4225, 10.0994 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 54.2920, 48.4225, 10.0994 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 54.2920, 48.4225, 10.0994

## Background



This preview shows how black text looks on a background with the XYZ color 54.2920, 48.4225, 10.0994.



This preview shows how white text looks on a background with the XYZ color 54.2920, 48.4225,



# 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

54.2920, 48.4225, 10.0994

### Protanopia

44.1066, 48.7095, 11.3522

### Deuteranopia

49.7494, 48.6222, 10.0118



## Tritanopia

60.4584, 48.2385, 43.6606

# Trichromacy



## Original Color

54.2920, 48.4225, 10.0994

## Protanomaly

47.3152, 48.2337, 10.8192

## Deuteranomaly

51.5214, 48.6694, 10.0468

## Tritanomaly

57.5142, 48.1191, 26.6787

# Monochromacy



## Original Color

54.2920, 48.4225, 10.0994

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

44.8099, 45.3603, 28.9479

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.2920, 48.4225, 10.0994 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(251, 167, 55)` looks like.

```
.text, #text, p{  
    color:rgb(251, 167, 55)  
}
```

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(251, 167, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 167, 55) }
```

## Border

The CSS property to change the border of an element to XYZ 54.2920, 48.4225, 10.0994 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(251, 167, 55) }
```



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

```
.border{ border-color:rgb(251, 167, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 167, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 167, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 167, 55);  
box-shadow:4px 4px 4px 4px rgb(251, 167,  
55) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.2920, 48.4225, 10.0994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 167, 55) }
```

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

```
.background{ background-color: rgb(251,  
167, 55) }
```

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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