

# Converting Colors

XYZ(51.7001, 43.6752, 13.1027)

Have a look what the booklet for  
XYZ(51.7001, 43.6752, 13.1027)  
contains.

<b>XYZ(51.6783, 43.6322, 13.0952)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.6783, 43.6322,  
13.0952)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F89A4F
RGB	248, 154, 79
RGB Percent	97%, 60%, 31%
CMY	0.0275, 0.3961, 0.6902
CMYK	0.00, 0.38, 0.68, 0.03
HSL	27°, 92%, 64%
HSV	27°, 68%, 97%
XYZ	51.6783, 43.6322, 13.0952
YIQ	173.5560, 80.0990, -3.3970

# Conversions

## Conversions Part 2

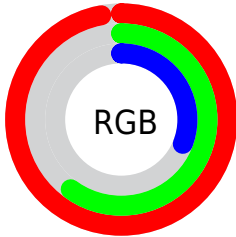
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 214, 79
Decimal	16292431
CIE <sub>Lab</sub>	71.98, 28.86, 52.97
CIE <sub>LCh</sub>	72, 60.323, 61.416
Yxy	43.6322, 0.4767, 0.4025
Android (android.graphics.Color)	4294482511 (0xFFFF89A4F)
YUV	173.5560, -46.6161, 65.2874
Hunter-Lab	66.0547, 24.0549, 34.4842

# Details

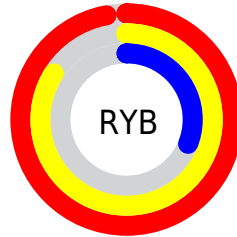
The XYZ color **51.6783, 43.6322, 13.0952** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **35.1102, 38.3245, 94.3533**, and the grayscale version is **40.2081, 42.3021, 46.0669**.

A 20% lighter version of the original color is **68.1372, 68.4996, 31.1033**, and **25.4427, 20.1467, 3.5846** is the 20% darker color. If you saturate the color by 10%, you get **48.7912, 39.0434, 8.4795**, and if you desaturate by 10%, it is **55.1656, 48.8834, 19.5719**.

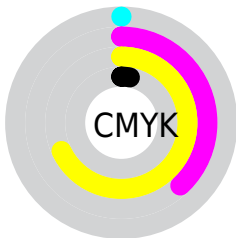
# Distribution



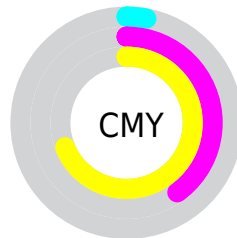
- Red (97%)
- Green (60%)
- Blue (31%)



- Red (97%)
- Yellow (84%)
- Blue (31%)



- Cyan (0%)
- Magenta (38%)
- Yellow (68%)
- Black (3%)



- Cyan (3%)
- Magenta (40%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6783, 43.6322, 13.0952 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 51.6783, 43.6322, 13.0952 by changing the saturation by 10% instead.



51.6783, 43.6322,  
13.0952

51.6783, 43.6322,  
13.0952

383.5378,  
361.2053, 222.7561

36.9720, 30.3815,  
7.3626

91.8337, 80.6640,  
32.1684

25.3593, 20.1283,  
3.6080

118.0134,  
105.2139, 46.3461

16.4751, 12.4883,  
1.4129

148.7483,  
134.2989, 64.1760

9.9540, 7.0772,  
0.1517

184.4037,  
168.3035, 86.0765

5.4305, 3.5104,  
0.0000

225.3450,  
207.6120, 112.4662

2.5393, 1.4037,  
0.0000

271.9376,

0.9151, 0.2194,

252.6089, 143.7637

0.0000

324.5467,  
303.6785, 180.3875

■ 0.0000, 0.0000,  
0.0000

■ 51.6783, 43.6322,  
13.0952

■ 51.6783, 43.6322,  
13.0952

■ 48.7912, 39.0434,  
8.4795

■ 55.1656, 48.8834,  
19.5719

■ 46.4527, 35.0766,  
5.5108

■ 59.2920, 54.8203,  
28.0867


■ 44.6001, 31.6938,  
3.8990


■ 64.0960, 61.4732,  
38.7986


■ 44.2945, 31.1229,  
3.6728

■ 69.6119, 68.8679,  
51.8496

■ 75.8712, 77.0290,  
67.3702

 82.9037, 85.9796,  
85.4807

 90.7369, 95.7419,  
106.2937

 92.5212, 98.6963,  
108.7817

# Harmonies

## Analogous

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



60.7563, 43.6322, 23.6656



51.6783, 43.6322, 13.0952



40.9838, 43.6322, 10.3882

# Triad

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



51.6783, 43.6322, 13.0952



24.6664, 43.6322, 48.9228



52.6657, 43.6322, 114.1480

# Complementary

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



51.6783, 43.6322, 13.0952



35.1102, 38.3245, 94.3533

# 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.



41.9622, 43.6322, 129.6775



51.6783, 43.6322, 13.0952



26.7712, 43.6322, 83.5982

# Square

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



51.6783, 43.6322, 13.0952



26.4074, 43.6322, 25.2234



32.7051, 43.6322, 116.6796



61.3895, 43.6322, 80.1111



# Rectangle

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



51.6783, 43.6322, 13.0952



34.6565, 43.6322, 11.8675



32.7051, 43.6322, 116.6796



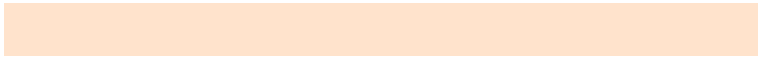
49.1251, 43.6322, 122.2157

# Sweetspot

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



51.6793, 43.6344, 13.0960



79.5085, 80.3584, 68.4469



49.2223, 28.6346, 43.3704



16.6080, 16.6677, 13.6267



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.



51.6793, 43.6344, 13.0960



50.9209, 39.8360, 7.5797



70.3294, 80.9347, 19.3127



17.8787, 18.4932, 18.0896



24.0628, 17.0823, 2.0290



2.3325, 1.7898, 0.2225



# Inverse Universe

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



35.1102, 38.3245, 94.3533



32.1271, 33.7084, 99.4208



23.8466, 15.7973, 90.5987



17.0837, 18.2442, 22.0064



14.1993, 13.7541, 49.8800



1.4208, 1.4853, 4.6550



# Previews

## White Background



This preview shows how the XYZ color 51.6783, 43.6322, 13.0952 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 51.6783, 43.6322, 13.0952 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 51.6783, 43.6322, 13.0952**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.6783, 43.6322, 13.0952.



This preview shows how white text looks on a background with the XYZ color 51.6783, 43.6322,



# 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

51.6783, 43.6322, 13.0952

### Protanopia

40.1668, 43.8519, 15.1513

### Deuteranopia

44.4860, 43.5733, 12.7224



## Tritanopia

56.6342, 43.5337, 36.8704

# Trichromacy



## Original Color

51.6783, 43.6322, 13.0952

## Protanomaly

43.7736, 43.4475, 14.2627

## Deuteranomaly

47.0348, 43.5392, 12.7624

## Tritanomaly

54.2698, 43.2476, 25.9094

# Monochromacy



## Original Color

51.6783, 43.6322, 13.0952

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

42.5663, 41.9190, 30.2738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6783, 43.6322, 13.0952 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(248, 154, 79)` looks like.

```
.text, #text, p{  
  color:rgb(248, 154, 79)  
}
```

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(248, 154, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 154, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6783, 43.6322, 13.0952 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(248, 154, 79) }
```



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

```
.border{ border-color:rgb(248, 154, 79) }
```

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

Here you see how a box with a 4 pixel rgb(248, 154, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 154, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 154, 79);  
box-shadow:4px 4px 4px 4px rgb(248, 154,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6783, 43.6322, 13.0952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 154, 79) }
```

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

```
.background{ background-color: rgb(248,  
154, 79) }
```

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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