

# Converting Colors

XYZ(52.7520, 43.7303, 16.4779)

Have a look what the booklet for  
XYZ(52.7520, 43.7303, 16.4779)  
contains.

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# Color

**XYZ(52.7181, 43.6067,  
16.4649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA985F
RGB	250, 152, 95
RGB Percent	98%, 60%, 37%
CMY	0.0196, 0.4039, 0.6274
CMYK	0.00, 0.39, 0.62, 0.02
HSL	22°, 94%, 68%
HSV	22°, 62%, 98%
XYZ	52.7181, 43.6067, 16.4649
YIQ	174.8040, 76.7050, 3.0490

# Conversions

## Conversions Part 2

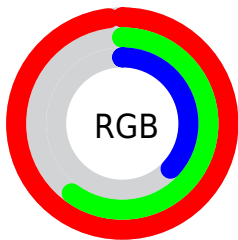
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 185, 95
Decimal	16423007
CIE <sub>Lab</sub>	71.96, 31.65, 45.11
CIE <sub>LCh</sub>	72, 55.109, 54.943
Yxy	43.6067, 0.4674, 0.3866
Android (android.graphics.Color)	4294613087 (0xFFFA985F)
YUV	174.8040, -39.3434, 65.9469
Hunter-Lab	66.0354, 26.9402, 31.4417

# Details

The XYZ color **52.7181, 43.6067, 16.4649** 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 **41.0433, 47.4723, 97.4417**, and the grayscale version is **40.8165, 42.9422, 46.7640**.

A 20% lighter version of the original color is **68.8193, 67.9922, 37.1004**, and **26.0366, 20.1304, 5.0980** is the 20% darker color. If you saturate the color by 10%, you get **49.3622, 38.4313, 10.6110**, and if you desaturate by 10%, it is **56.7824, 49.6161, 24.3540**.

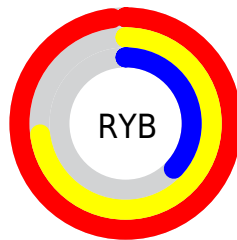
# Distribution



Red (98%)

Green (60%)

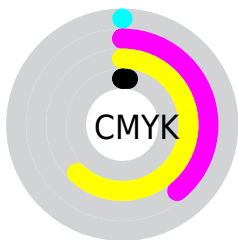
Blue (37%)



Red (98%)

Yellow (73%)

Blue (37%)

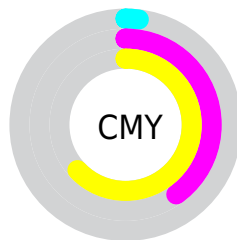


Cyan (0%)

Magenta (39%)

Yellow (62%)

Black (2%)



Cyan (2%)

Magenta (40%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7181, 43.6067, 16.4649 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 52.7181, 43.6067, 16.4649 by changing the saturation by 10% instead.



52.7181, 43.6067,  
16.4649

52.7181, 43.6067,  
16.4649

387.4812,  
361.1009, 244.0082

37.8044, 30.3614,  
9.6958

93.3574, 80.6256,  
38.1814

26.0074, 20.1131,  
5.0948

119.8137,  
105.1680, 53.9659

16.9619, 12.4773,  
2.2433

150.8481,  
134.2449, 73.5926

10.3025, 7.0696,  
0.6992

186.8262,  
168.2407, 97.4800

5.6638, 3.5057,  
0.0000

228.1132,  
207.5399, 126.0468

2.6804, 1.4011,  
0.0000

275.0744,

0.9871, 0.2175,

252.5267, 159.7114

0.0000

328.0753,  
303.5855, 198.8924

■ 0.0000, 0.0000,  
0.0000

■ 52.7181, 43.6067,  
16.4649

■ 52.7181, 43.6067,  
16.4649

■ 49.3622, 38.4313,  
10.6110

■ 56.7824, 49.6161,  
24.3540

■ 46.6620, 34.0418,  
6.5942

■ 61.5963, 56.4907,  
34.4461

■ 44.5604, 30.3944,  
4.1800

■ 67.2009, 64.2682,  
46.8942

■ 43.2465, 27.9687,  
3.1192

■ 73.6333, 72.9815,  
61.8367

■ 80.9280, 82.6622,  
79.4013

89.1174, 93.3400,  
99.7068

93.2341, 99.0638,  
108.8150

# Harmonies

## Analogous

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



60.0879, 43.6067, 28.8270



52.7181, 43.6067, 16.4649



43.0603, 43.6067, 12.3333

# Triad

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



52.7181, 43.6067, 16.4649



25.9254, 43.6067, 43.0627



49.5450, 43.6067, 111.5705

# Complementary

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



52.7181, 43.6067, 16.4649



41.0433, 47.4723, 97.4417

# 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.



39.8742, 43.6067, 119.9486



52.7181, 43.6067, 16.4649



27.1249, 43.6067, 72.8231

# Square

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



52.7181, 43.6067, 16.4649



28.3435, 43.6067, 23.5244



31.9088, 43.6067, 103.6997



58.0704, 43.6067, 83.8457



# Rectangle

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



52.7181, 43.6067, 16.4649



36.9592, 43.6067, 12.9747



31.9088, 43.6067, 103.6997



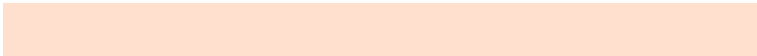
46.2838, 43.6067, 117.0984

# Sweetspot

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



52.7191, 43.6089, 16.4657



79.2025, 79.2529, 69.8664



53.1607, 32.3663, 53.9952



16.5043, 16.3645, 13.8874



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.



52.7191, 43.6089, 16.4657



50.9943, 39.1810, 10.0757



69.6012, 77.3731, 22.0931



17.7674, 18.2706, 18.0525



23.0648, 15.0862, 1.6963



2.2335, 1.5919, 0.1895



# Inverse Universe

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



41.0433, 47.4723, 97.4417



37.7917, 43.3379, 100.9810



28.1819, 21.7495, 93.1546



17.1978, 18.4724, 22.0444



15.7853, 16.9261, 50.4087



1.5631, 1.7700, 4.7024



# Previews

## White Background



This preview shows how the XYZ color 52.7181, 43.6067, 16.4649 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 52.7181, 43.6067, 16.4649 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

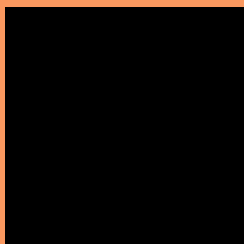
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.7181, 43.6067, 16.4649**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7181, 43.6067, 16.4649.



This preview shows how white text looks on a background with the XYZ color 52.7181, 43.6067,



# 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

52.7181, 43.6067, 16.4649

### Protanopia

40.4690, 43.9131, 19.4398

### Deuteranopia

44.5062, 43.5123, 15.9505



## Tritanopia

56.9148, 43.6882, 36.4433

# Trichromacy



## Original Color

52.7181, 43.6067, 16.4649

## Protanomaly

44.0832, 43.2410, 18.3348

## Deuteranomaly

47.1652, 43.2714, 15.9916

## Tritanomaly

55.3316, 43.7559, 27.7197

# Monochromacy



## Original Color

52.7181, 43.6067, 16.4649

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

43.3641, 42.2693, 33.0674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7181, 43.6067, 16.4649 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(250, 152, 95)` looks like.

```
.text, #text, p{  
    color:rgb(250, 152, 95)  
}
```

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(250, 152, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 152, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7181, 43.6067, 16.4649 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(250, 152, 95) }
```



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

```
.border{ border-color:rgb(250, 152, 95) }
```

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

Here you see how a box with a 4 pixel rgb(250, 152, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 152, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 152, 95);  
box-shadow:4px 4px 4px 4px rgb(250, 152,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7181, 43.6067, 16.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 152, 95) }
```

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

```
.background{ background-color: rgb(250,  
152, 95) }
```

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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