

# Converting Colors

XYZ(52.1090, 45.0221, 18.9284)

Have a look what the booklet for  
XYZ(52.1090, 45.0221, 18.9284)  
contains.

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# Color

**XYZ(52.2051, 45.0288,  
19.0366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F49F68
RGB	244, 159, 104
RGB Percent	96%, 62%, 41%
CMY	0.0431, 0.3764, 0.5922
CMYK	0.00, 0.35, 0.57, 0.04
HSL	24°, 86%, 68%
HSV	24°, 57%, 96%
XYZ	52.2051, 45.0288, 19.0366
YIQ	178.1450, 68.3150, 0.9150

# Conversions

## Conversions Part 2

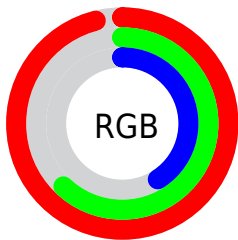
Format	Color
<b>RYB</b>	244, 195, 104
Decimal	16031592
CIELab	72.91, 26.24, 41.46
CIELCh	73, 49.066, 57.671
Yxy	45.0288, 0.4490, 0.3873
Android (android.graphics.Color)	4294221672 (0xFFFF49F68)
YUV	178.1450, -36.5535, 57.7548
Hunter-Lab	67.1035, 21.4381, 30.1525

# Details

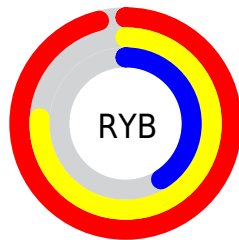
The XYZ color **52.2051, 45.0288, 19.0366** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.2347, 45.8678, 92.3206**, and the grayscale version is **42.5569, 44.7731, 48.7579**.

A 20% lighter version of the original color is **71.2873, 71.7534, 41.5450**, and **25.7144, 20.9816, 6.3090** is the 20% darker color. If you saturate the color by 10%, you get **48.7440, 39.8115, 12.6278**, and if you desaturate by 10%, it is **56.3322, 51.0047, 27.4368**.

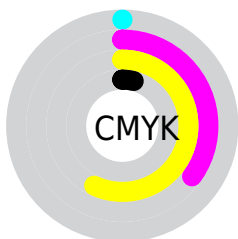
# Distribution



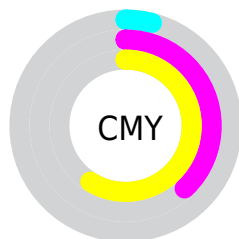
- Red (96%)
- Green (62%)
- Blue (41%)



- Red (96%)
- Yellow (76%)
- Blue (41%)



- Cyan (0%)
- Magenta (35%)
- Yellow (57%)
- Black (4%)




- Cyan (4%)
- Magenta (38%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2051, 45.0288, 19.0366 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 52.2051, 45.0288, 19.0366 by changing the saturation by 10% instead.





 52.2051, 45.0288,  
19.0366


 52.2051, 45.0288,  
19.0366


385.5389,  
366.8902, 259.0802

 37.3935, 31.4801,  
11.5196


 92.6061, 82.7636,  
42.6335

 25.6874, 20.9647,  
6.2990


 118.9262,  
107.7186, 59.5504

 16.7214, 13.0982,  
2.9560


 149.8132,  
137.2444, 80.4379

 10.1301, 7.4962,  
1.0722

 185.6324,  
171.7254, 105.7142

 5.5482, 3.7743,  
0.0000

226.7492,  
211.5461, 135.7981

 2.6104, 1.5481,  
0.0000

273.5290,

 0.9513, 0.3222,

257.0909, 171.1080

0.0000

326.3371,  
308.7441, 212.0626

■ 0.0000, 0.0000,  
0.0000

■ 52.2051, 45.0288,  
19.0366

■ 52.2051, 45.0288,  
19.0366

■ 48.7440, 39.8115,  
12.6278

■ 56.3322, 51.0047,  
27.4368

■ 45.9030, 35.3116,  
8.0363

■ 61.1603, 57.7639,  
37.9772

■ 43.6343, 31.4938,  
5.0618

■ 66.7256, 65.3385,  
50.7952

■ 41.8768, 28.3142,  
3.4419

■ 73.0605, 73.7561,  
66.0158

■ 41.4789, 27.5745,  
3.1362

■ 80.1954, 83.0433,  
83.7548

■ 88.1590, 93.2253,  
104.1208

■ 91.1181, 97.9731,  
108.7160

# Harmonies

## Analogous

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



59.0701, 45.0288, 30.2540



52.2051, 45.0288, 19.0366



43.4699, 45.0288, 15.4289

# Triad

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



52.2051, 45.0288, 19.0366



28.3850, 45.0288, 47.1407



50.8956, 45.0288, 103.6589

# Complementary

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



52.2051, 45.0288, 19.0366



40.2347, 45.8678, 92.3206

# 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.



42.1341, 45.0288, 112.7168



52.2051, 45.0288, 19.0366



29.8284, 45.0288, 74.3032

# Square

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



52.2051, 45.0288, 19.0366



30.3565, 45.0288, 27.9157



34.5957, 45.0288, 100.5399



58.2461, 45.0288, 78.7607



# Rectangle

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



52.2051, 45.0288, 19.0366



37.9999, 45.0288, 16.4609



34.5957, 45.0288, 100.5399



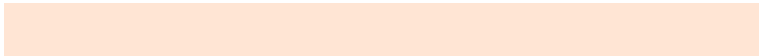
47.9851, 45.0288, 108.9574

# Sweetspot

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



52.2062, 45.0311, 19.0375



81.0110, 81.8587, 73.5867



51.5894, 32.8663, 52.5315



17.0216, 17.1023, 14.9743



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.



52.2062, 45.0311, 19.0375



53.2713, 43.0616, 12.9107



67.4587, 75.5361, 24.1216



17.0332, 17.5505, 17.2874



22.6778, 15.2411, 1.7466



2.0902, 1.5337, 0.1859



# Inverse Universe

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



40.2347, 45.8678, 92.3206



38.8101, 43.9474, 101.0449



28.7950, 22.9884, 88.5073



16.4184, 17.6011, 21.0746



14.7854, 15.3645, 48.7244



1.3994, 1.5502, 4.3157



# Previews

## White Background



This preview shows how the XYZ color 52.2051, 45.0288, 19.0366 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 52.2051, 45.0288, 19.0366 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 52.2051, 45.0288, 19.0366**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2051, 45.0288, 19.0366.



This preview shows how white text looks on a background with the XYZ color 52.2051, 45.0288,



# 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

52.2051, 45.0288, 19.0366

### Protanopia

41.8097, 45.1458, 21.8396

### Deuteranopia

46.1253, 45.1255, 18.5909



## Tritanopia

56.5505, 45.0573, 40.3667

# Trichromacy



## Original Color

52.2051, 45.0288, 19.0366

## Protanomaly

44.9534, 44.7553, 20.7373

## Deuteranomaly

48.2119, 45.0907, 18.7327

## Tritanomaly

54.9616, 45.1698, 31.4130

# Monochromacy



## Original Color

52.2051, 45.0288, 19.0366

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

44.5059, 43.9167, 35.4092

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2051, 45.0288, 19.0366 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(244, 159, 104)` looks like.

```
.text, #text, p{  
    color:rgb(244, 159, 104)  
}
```

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(244, 159, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 159, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2051, 45.0288, 19.0366 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(244, 159, 104) }
```



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

```
.border{ border-color:rgb(244, 159, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 159, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 159, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 159, 104);  
box-shadow:4px 4px 4px 4px rgb(244, 159,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2051, 45.0288, 19.0366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 159, 104) }
```

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

```
.background{ background-color: rgb(244,  
159, 104) }
```

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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