

# Converting Colors

XYZ(53.0784, 44.9833, 25.4379)

Have a look what the booklet for  
XYZ(53.0784, 44.9833, 25.4379)  
contains.

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# Color

**XYZ(53.2368, 45.1675,  
25.3143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F49E7D
RGB	244, 158, 125
RGB Percent	96%, 62%, 49%
CMY	0.0431, 0.3804, 0.5098
CMYK	0.00, 0.35, 0.49, 0.04
HSL	17°, 84%, 72%
HSV	17°, 49%, 96%
XYZ	53.2368, 45.1675, 25.3143
YIQ	179.9520, 61.8490, 7.9690

# Conversions

## Conversions Part 2

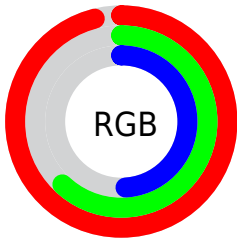
Format	Color
<a href="#">RYB</a>	<a href="#">244, 171, 125</a>
Decimal	<a href="#">16031357</a>
CIELab	<a href="#">73.00, 28.53, 30.47</a>
CIELCh	<a href="#">73, 41.741, 46.890</a>
Yxy	<a href="#">45.1675, 0.4303, 0.3651</a>
Android (android.graphics.Color)	<a href="#">4294221437</a> (0xFFFF49E7D)
YUV	<a href="#">179.9520, -27.0913, 56.1701</a>
Hunter-Lab	<a href="#">67.2068, 23.7842, 24.7124</a>

# Details

The XYZ color **53.2368, 45.1675, 25.3143** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.0797, 57.4775, 94.1480**, and the grayscale version is **43.4753, 45.7394, 49.8102**.

A 20% lighter version of the original color is **73.0701, 72.0629, 52.1778**, and **26.4661, 21.1442, 9.5238** is the 20% darker color. If you saturate the color by 10%, you get **49.0705, 39.0306, 17.1571**, and if you desaturate by 10%, it is **58.2197, 52.3251, 35.6333**.

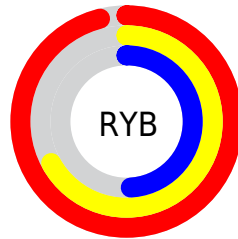
# Distribution



Red (96%)

Green (62%)

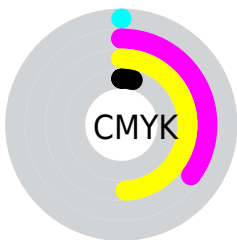
Blue (49%)



Red (96%)

Yellow (67%)

Blue (49%)

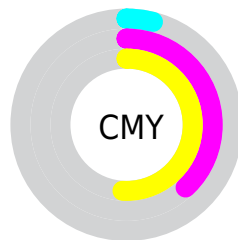


Cyan (0%)

Magenta (35%)

Yellow (49%)

Black (4%)



Cyan (4%)

Magenta (38%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2368, 45.1675, 25.3143 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 53.2368, 45.1675, 25.3143 by changing the saturation by 10% instead.





 53.2368, 45.1675,  
25.3143


 53.2368, 45.1675,  
25.3143


389.4390,  
367.4515, 292.8972


 38.2201, 31.5894,  
16.0902

 94.1162, 82.9717,  
53.1371

 26.3315, 21.0481,  
9.4330


 120.7096,  
107.9666, 72.5729

 17.2058, 13.1591,  
4.9240

 151.8926,  
137.5358, 96.2496

 10.4775, 7.5382,  
2.1448

188.0305,  
172.0639, 124.5859

 5.7814, 3.8009,  
0.6422

229.4888,  
211.9350, 158.0003

 2.7520, 1.5628,  
0.0000

276.6327,

 1.0240, 0.3323,

257.5338, 196.9113

0.0000

329.8277,  
309.2445, 241.7374

■ 0.0000, 0.0000,  
0.0000

■ 53.2368, 45.1675,  
25.3143

■ 53.2368, 45.1675,  
25.3143

■ 49.0705, 39.0306,  
17.1571

■ 58.2197, 52.3251,  
35.6333

■ 45.6707, 33.8596,  
11.0027

■ 64.0588, 60.5414,  
48.2523

■ 42.9863, 29.6047,  
6.6740

■ 70.7948, 69.8604,  
63.3010

■ 40.9576, 26.2079,  
3.9614

■ 78.4649, 80.3217,  
80.8986

■ 39.5051, 23.6005,  
2.5594

■ 87.1040, 91.9628,  
101.1564

■ 39.3557, 23.3282,  
2.4285

■ 91.1182, 97.9731,  
108.7160

# Harmonies

## Analogous

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



57.7835, 45.1675, 38.4172



53.2368, 45.1675, 25.3143



46.1880, 45.1675, 19.5337

# Triad

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



53.2368, 45.1675, 25.3143



30.6776, 45.1675, 40.6266



47.1316, 45.1675, 98.4437

# Complementary

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



53.2368, 45.1675, 25.3143



48.0797, 57.4775, 94.1480

# 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.



39.8296, 45.1675, 99.5357



53.2368, 45.1675, 25.3143



30.8692, 45.1675, 61.7851

# Square

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



53.2368, 45.1675, 25.3143



33.4913, 45.1675, 26.5354



34.0481, 45.1675, 84.6813



53.9946, 45.1675, 82.0211



# Rectangle

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



53.2368, 45.1675, 25.3143



41.2712, 45.1675, 19.1279



34.0481, 45.1675, 84.6813



44.6334, 45.1675, 100.7507

# Sweetspot

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



53.2379, 45.1698, 25.3152



81.2993, 81.3915, 76.9005



56.5593, 38.6676, 66.9466



17.0290, 16.9116, 15.6104



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.



53.2379, 45.1698, 25.3152



54.0886, 42.9145, 18.6762



65.6257, 69.9452, 29.4444



16.8732, 17.2306, 17.2341



21.4977, 12.8810, 1.3532



1.9722, 1.2977, 0.1465



# Inverse Universe

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



48.0797, 57.4775, 94.1480



47.6855, 57.9212, 103.2744



36.1400, 33.5982, 90.1681



16.5855, 17.9352, 21.1303



17.4760, 20.7457, 49.6213



1.6220, 1.9954, 4.3899



# Previews

## White Background



This preview shows how the XYZ color 53.2368, 45.1675, 25.3143 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 53.2368, 45.1675, 25.3143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

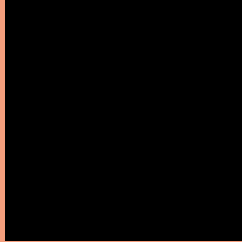
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.2368, 45.1675, 25.3143**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2368, 45.1675, 25.3143.



This preview shows how white text looks on a background with the XYZ color 53.2368, 45.1675,



# 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

53.2368, 45.1675, 25.3143

### Protanopia

42.1614, 45.1679, 29.0504

### Deuteranopia

46.2897, 45.3573, 24.7274



## Tritanopia

56.4498, 45.2370, 40.8783

# Trichromacy



## Original Color

53.2368, 45.1675, 25.3143

## Protanomaly

45.5236, 44.6134, 27.6846

## Deuteranomaly

48.7579, 45.2362, 24.9005

## Tritanomaly

55.2324, 45.2375, 34.6748

# Monochromacy



## Original Color

53.2368, 45.1675, 25.3143

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

45.7263, 44.7396, 39.4833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2368, 45.1675, 25.3143 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, 158, 125)` looks like.

```
.text, #text, p{  
    color:rgb(244, 158, 125)  
}
```

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, 158, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 158, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2368, 45.1675, 25.3143 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, 158, 125) }
```



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

```
.border{ border-color:rgb(244, 158, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 158, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 158, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 158, 125);  
box-shadow:4px 4px 4px 4px rgb(244, 158,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2368, 45.1675, 25.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 158, 125) }
```

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

```
.background{ background-color: rgb(244,  
158, 125) }
```

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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