

# Converting Colors

XYZ(54.4883, 45.2478, 14.0804)

Have a look what the booklet for  
XYZ(54.4883, 45.2478, 14.0804)  
contains.

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# Color

**XYZ(54.5227, 45.3272,  
14.0590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9B53
RGB	255, 155, 83
RGB Percent	100%, 61%, 33%
CMY	0.0000, 0.3921, 0.6745
CMYK	0.00, 0.39, 0.67, 0.00
HSL	25°, 100%, 66%
HSV	25°, 67%, 100%
XYZ	54.5227, 45.3272, 14.0590
YIQ	176.6920, 82.7120, -1.1920

# Conversions

## Conversions Part 2

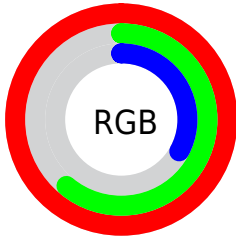
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 207, 83
Decimal	16751443
CIE Lab	73.11, 31.37, 52.55
CIE LCh	73, 61.196, 59.165
Yxy	45.3272, 0.4787, 0.3979
Android (android.graphics.Color)	4294941523 (0xFFFF9B53)
YUV	176.6920, -46.1902, 68.6761
Hunter-Lab	67.3255, 26.7364, 34.7468

# Details

The XYZ color **54.5227, 45.3272, 14.0590** 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 **38.5497, 42.9237, 100.8606**, and the grayscale version is **41.8337, 44.0123, 47.9294**.

A 20% lighter version of the original color is **68.6598, 69.1025, 32.6410**, and **27.1033, 21.1422, 4.0189** is the 20% darker color. If you saturate the color by 10%, you get **51.3957, 40.3699, 9.0202**, and if you desaturate by 10%, it is **58.3166, 51.0398, 21.1059**.

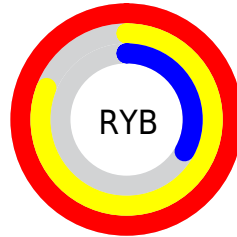
# Distribution



Red (100%)

Green (61%)

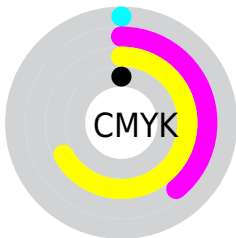
Blue (33%)



Red (100%)

Yellow (81%)

Blue (33%)

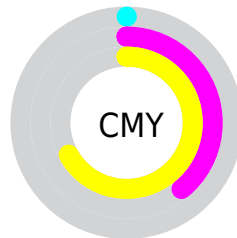


Cyan (0%)

Magenta (39%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5227, 45.3272, 14.0590 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 54.5227, 45.3272, 14.0590 by changing the saturation by 10% instead.





 54.5227, 45.3272,  
14.0590


 54.5227, 45.3272,  
14.0590


394.2660,  
368.0971, 229.0387

 39.2520, 31.7152,  
8.0225


 95.9937, 83.2112,  
33.9123

 27.1375, 21.1441,  
4.0214


 122.9247,  
108.2520, 48.5662


 17.8136, 13.2294,  
1.6371


 154.4733,  
137.8712, 66.9296

 10.9151, 7.5867,  
0.3171

 191.0047,  
172.4532, 89.4211

 6.0767, 3.8316,  
0.0000

 232.8843,  
212.3824, 116.4592

 2.9329, 1.5798,  
0.0000

280.4775,

 1.1184, 0.3439,

258.0432, 148.4625

0.0000

334.1496,  
309.8200, 185.8495

■ 0.0404, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.5227, 45.3272,  
14.0590

■ 54.5227, 45.3272,  
14.0590

■ 51.3957, 40.3699,  
9.0202

■ 58.3166, 51.0398,  
21.1059

■ 48.8795, 36.1222,  
5.7627

■ 62.8202, 57.5355,  
30.3495

■ 46.9091, 32.5414,  
3.9955

■ 68.0758, 64.8492,  
41.9589

■ 46.4718, 31.7239,  
3.6740

■ 74.1210, 73.0108,  
56.0860

80.9907, 82.0489,  
72.8695

88.7175, 91.9904,  
92.4383

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



63.6820, 45.3272, 25.8307



54.5227, 45.3272, 14.0590



43.3828, 45.3272, 10.7522

# Triad

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



54.5227, 45.3272, 14.0590



25.5977, 45.3272, 48.4995



53.9171, 45.3272, 120.8421

# Complementary

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



54.5227, 45.3272, 14.0590



38.5497, 42.9237, 100.8606

# 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.



42.7829, 45.3272, 134.9284



54.5227, 45.3272, 14.0590



27.4860, 45.3272, 84.0347

# Square

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



54.5227, 45.3272, 14.0590



27.7089, 45.3272, 24.8763



33.3656, 45.3272, 119.2881



63.2935, 45.3272, 86.1744



# Rectangle

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



54.5227, 45.3272, 14.0590



36.6691, 45.3272, 11.9772



33.3656, 45.3272, 119.2881



50.2025, 45.3272, 128.6496

# Sweetspot

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



54.5237, 45.3295, 14.0598



79.1592, 79.6599, 68.3305



52.9153, 30.8796, 48.1536



16.5248, 16.5012, 13.5989



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.



54.5237, 45.3295, 14.0598



50.4357, 38.7828, 7.6728



74.1578, 84.5977, 20.6045



18.6342, 19.2366, 18.8752



24.4222, 16.8556, 1.9663



2.4830, 1.8513, 0.2265



# Inverse Universe

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



38.5497, 42.9237, 100.8606



33.3909, 36.0607, 99.8083



25.9231, 17.6706, 96.6517



17.8803, 19.1323, 23.0004



15.1362, 15.1819, 51.5672



1.5818, 1.6943, 5.0569



# Previews

## White Background



This preview shows how the XYZ color 54.5227, 45.3272, 14.0590 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 54.5227, 45.3272, 14.0590 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 54.5227, 45.3272, 14.0590**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5227, 45.3272, 14.0590.



This preview shows how white text looks on a background with the XYZ color 54.5227, 45.3272,



# 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

54.5227, 45.3272, 14.0590

### Protanopia

41.7628, 45.5400, 16.4865

### Deuteranopia

46.4056, 45.3783, 13.7102



## Tritanopia

58.2455, 45.2581, 38.4667

# Trichromacy



## Original Color

54.5227, 45.3272, 14.0590



## Protanomaly

45.5378, 44.8905, 15.4971



## Deuteranomaly

49.1641, 45.1516, 13.7133



## Tritanomaly

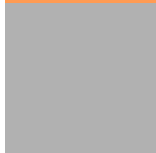
56.4033, 45.0319, 27.1920

# Monochromacy



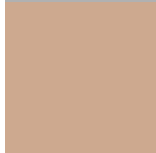
## Original Color

54.5227, 45.3272, 14.0590



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

44.3227, 43.3382, 32.0157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5227, 45.3272, 14.0590 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(255, 155, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 83)  
}
```

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(255, 155, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 83) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5227, 45.3272, 14.0590 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(255, 155, 83) }
```



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

```
.border{ border-color:rgb(255, 155, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
83) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5227, 45.3272, 14.0590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 83) }
```

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

```
.background{ background-color: rgb(255,  
155, 83) }
```

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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