

# Converting Colors

XYZ(56.9523, 52.2164, 12.5573)

Have a look what the booklet for  
XYZ(56.9523, 52.2164, 12.5573)  
contains.

<b>XYZ(57.0767, 52.3507, 12.5653)</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(57.0767, 52.3507,  
12.5653)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDB044
RGB	253, 176, 68
RGB Percent	99%, 69%, 27%
CMY	0.0078, 0.3098, 0.7333
CMYK	0.00, 0.30, 0.73, 0.01
HSL	35°, 98%, 63%
HSV	35°, 73%, 99%
XYZ	57.0767, 52.3507, 12.5653
YIQ	186.7110, 80.5600, -17.2640

# Conversions

## Conversions Part 2

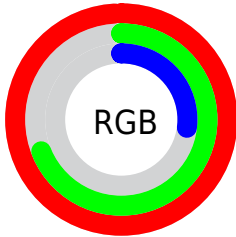
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 253, 68
Decimal	16625732
CIE <sub>Lab</sub>	77.49, 18.86, 63.82
CIE <sub>LCh</sub>	77, 66.547, 73.535
Yxy	52.3507, 0.4679, 0.4291
Android (android.graphics.Color)	4294815812 (0xFFFD044)
YUV	186.7110, -58.5245, 58.1355
Hunter-Lab	72.3538, 14.1916, 40.3511

# Details

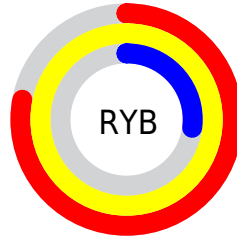
The XYZ color **57.0767, 52.3507, 12.5653** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.2383, 28.5703, 96.8486**, and the grayscale version is **47.3601, 49.8265, 54.2611**.

A 20% lighter version of the original color is **73.6095, 80.3784, 30.0473**, and **28.6935, 25.4917, 3.4081** is the 20% darker color. If you saturate the color by 10%, you get **54.4798, 48.1377, 8.6772**, and if you desaturate by 10%, it is **60.1691, 57.0225, 18.2617**.

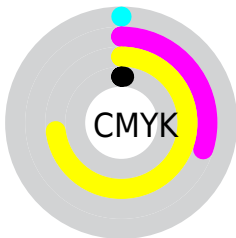
# Distribution



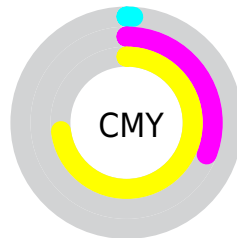
- Red (99%)
- Green (69%)
- Blue (27%)



- Red (78%)
- Yellow (99%)
- Blue (27%)



- Cyan (0%)
- Magenta (30%)
- Yellow (73%)
- Black (1%)



- Cyan (1%)
- Magenta (31%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0767, 52.3507, 12.5653 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 57.0767, 52.3507, 12.5653 by changing the saturation by 10% instead.



57.0767, 52.3507,  
12.5653

57.0767, 52.3507,  
12.5653

403.7462,  
395.7890, 219.2217

41.3072, 37.2847,  
7.0027

99.7078, 93.6482,  
31.2002

28.7479, 25.4280,  
3.3853

127.3001,  
120.6486, 45.1097

19.0335, 16.3962,  
1.2946

159.5641,  
152.3958, 62.6385

11.7987, 9.8050,  
0.0574

196.8651,  
189.2743, 84.2051

6.6780, 5.2698,  
0.0000

239.5684,  
231.6684, 110.2283

3.3061, 2.4064,  
0.0000

288.0395,

1.3176, 0.8292,

279.9627, 141.1264

0.0000

342.6436,  
334.5414, 177.3180

■ 0.1963, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.0767, 52.3507,  
12.5653

■ 57.0767, 52.3507,  
12.5653

■ 54.4798, 48.1377,  
8.6772

■ 60.1691, 57.0225,  
18.2617

■ 52.3248, 44.3497,  
6.3496

■ 63.7949, 62.1673,  
25.9653

■ 51.0514, 41.9699,  
5.4103

■ 67.9916, 67.8078,  
35.8515

■ 72.7919, 73.9622,  
48.0758

■ 78.2256, 80.6475,  
62.7793

■ 84.3201, 87.8798,  
80.0918

■ 91.1012, 95.6742,  
100.1340

■ 94.3177, 99.6225,  
108.8657

# Harmonies

## Analogous

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



69.8533, 52.3507, 20.8907



57.0767, 52.3507, 12.5653



44.2087, 52.3507, 12.2274

# Triad

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



57.0767, 52.3507, 12.5653



29.4335, 52.3507, 75.1715



68.7417, 52.3507, 125.0277

# Complementary

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



57.0767, 52.3507, 12.5653



30.2383, 28.5703, 96.8486

# 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.



55.7528, 52.3507, 156.8740



57.0767, 52.3507, 12.5653



33.9411, 52.3507, 120.7675

# Square

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



57.0767, 52.3507, 12.5653



29.6640, 52.3507, 39.2414



43.0929, 52.3507, 155.0462



77.3391, 52.3507, 79.4434



# Rectangle

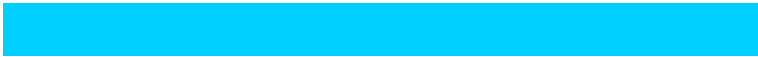
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.0767, 52.3507, 12.5653



37.3442, 52.3507, 16.0820



43.0929, 52.3507, 155.0462



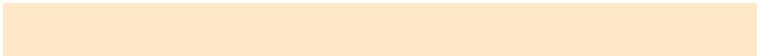
64.6561, 52.3507, 138.4218

# Sweetspot

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



57.0779, 52.3533, 12.5663



80.2960, 82.8965, 65.7405



47.6924, 27.0641, 29.5327



16.8471, 17.3328, 13.1298



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.



57.0779, 52.3533, 12.5663



54.3336, 47.0598, 7.4886



71.2884, 88.7723, 18.8469



18.8905, 19.7492, 18.9607



27.3050, 22.6212, 2.9272



2.7665, 2.4184, 0.3210



# Inverse Universe

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



30.2383, 28.5703, 96.8486



25.8097, 21.9183, 97.4781



23.4012, 13.0846, 94.2199



17.6241, 18.6198, 22.9150



12.2706, 9.4508, 50.6120



1.2996, 1.1299, 4.9629



# Previews

## White Background



This preview shows how the XYZ color 57.0767, 52.3507, 12.5653 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 57.0767, 52.3507, 12.5653 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 57.0767, 52.3507, 12.5653**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.0767, 52.3507, 12.5653.



This preview shows how white text looks on a background with the XYZ color 57.0767, 52.3507,



# 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

57.0767, 52.3507, 12.5653

### Protanopia

47.7509, 52.4633, 13.7406

### Deuteranopia

53.6465, 52.3745, 12.4361



## Tritanopia

63.1954, 52.1521, 49.3834

# Trichromacy



## Original Color

57.0767, 52.3507, 12.5653

## Protanomaly

50.6911, 52.0667, 13.3394

## Deuteranomaly

54.9906, 52.4602, 12.5377

## Tritanomaly

59.9080, 51.6844, 31.2447

# Monochromacy



## Original Color

57.0767, 52.3507, 12.5653

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

48.8315, 49.7295, 33.4106

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0767, 52.3507, 12.5653 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(253, 176, 68)` looks like.

```
.text, #text, p{  
    color:rgb(253, 176, 68)  
}
```

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(253, 176, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 176, 68) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0767, 52.3507, 12.5653 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(253, 176, 68) }
```



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

```
.border{ border-color:rgb(253, 176, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 176, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 176, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 176, 68);  
box-shadow:4px 4px 4px 4px rgb(253, 176,  
68) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0767, 52.3507, 12.5653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 176, 68) }
```

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

```
.background{ background-color: rgb(253,  
176, 68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor