

Converting Colors

XYZ(53.6096, 45.4664, 7.6970)

Have a look what the booklet for
XYZ(53.6096, 45.4664, 7.6970)
contains.

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Color

**XYZ(53.6309, 45.5075,
7.7074)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9D25
RGB	255, 157, 37
RGB Percent	100%, 62%, 15%
CMY	0.0000, 0.3843, 0.8549
CMYK	0.00, 0.38, 0.85, 0.00
HSL	33°, 100%, 57%
HSV	33°, 85%, 100%
XYZ	53.6309, 45.5075, 7.7074
YIQ	172.6220, 96.9280, -16.5440

Conversions

Conversions Part 2

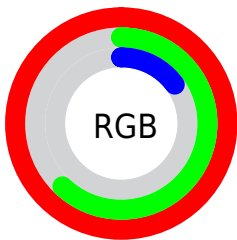
Format	Color
R _Y B	215, 255, 37
Decimal	16751909
CIE Lab	73.22, 28.58, 71.10
CIE LCh	73, 76.632, 68.102
Yxy	45.5075, 0.5019, 0.4259
Android (android.graphics.Color)	4294941989 (0xFFFF9D25)
YUV	172.6220, -66.8616, 72.2455
Hunter-Lab	67.4592, 23.8559, 40.4474

Details

The XYZ color **53.6309, 45.5075, 7.7074** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.4765, 24.9403, 97.9728**, and the grayscale version is **39.8243, 41.8983, 45.6273**.

A 20% lighter version of the original color is **66.8490, 69.1732, 20.6549**, and **26.7898, 21.3096, 2.7012** is the 20% darker color. If you saturate the color by 10%, you get **51.5119, 41.7029, 5.6666**, and if you desaturate by 10%, it is **56.2127, 49.7923, 11.2785**.

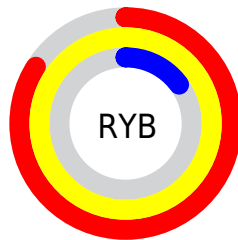
Distribution



Red (100%)

Green (62%)

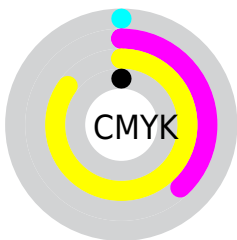
Blue (15%)



Red (84%)

Yellow (100%)

Blue (15%)

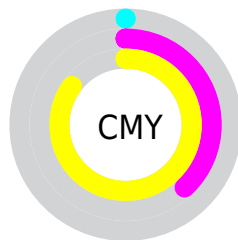


Cyan (0%)

Magenta (38%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6309, 45.5075, 7.7074 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 53.6309, 45.5075, 7.7074 by changing the saturation by 10% instead.


 53.6309, 45.5075,
7.7074


 53.6309, 45.5075,
7.7074


390.9223,
368.8251, 183.2667

 38.5361, 31.8574,
3.8232


 94.6922, 83.4814,
21.9194


 26.5782, 21.2526,
1.5289


 121.3894,
108.5740, 33.0843


 17.3916, 13.3087,
0.2393


 152.6848,
138.2496, 47.5133

 10.6111, 7.6415,
0.0000

 188.9438,
172.8924, 65.6247

 5.8713, 3.8664,
0.0000

 230.5316,
212.8870, 87.8373

 2.8069, 1.5991,
0.0000

 277.8138,

 1.0525, 0.3570,

258.6177, 114.5694

0.0000

331.1556,
310.4689, 146.2397

■ 0.0000, 0.0000,
0.0000

■ 53.6309, 45.5075,
7.7074

■ 53.6309, 45.5075,
7.7074

■ 51.5119, 41.7029,
5.6666

■ 56.2127, 49.7923,
11.2785

■ 50.6724, 40.1253,
5.0742

■ 59.3090, 54.5798,
16.6425

■ 62.9659, 59.8977,
24.0149

■ 67.2226, 65.7688,
33.5794

■ 72.1139, 72.2139,
45.4991

■ 77.6718, 79.2525,
59.9211

■ 83.9257, 86.9028,
76.9807

■ 90.9030, 95.1820,
96.8031

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



66.9566, 45.5075, 16.4635



53.6309, 45.5075, 7.7074



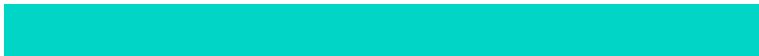
39.7109, 45.5075, 6.4511

Triad

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



53.6309, 45.5075, 7.7074



22.3735, 45.5075, 60.7357



61.2501, 45.5075, 133.6457

Complementary

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



53.6309, 45.5075, 7.7074



27.4765, 24.9403, 97.9728

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.



47.0007, 45.5075, 164.9565



53.6309, 45.5075, 7.7074



25.9309, 45.5075, 110.7266

Square

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



53.6309, 45.5075, 7.7074



23.4254, 45.5075, 26.7461



34.3094, 45.5075, 154.9040



71.9522, 45.5075, 82.6154

Rectangle

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



53.6309, 45.5075, 7.7074



32.1818, 45.5075, 8.7290



34.3094, 45.5075, 154.9040



56.6114, 45.5075, 147.7752

Sweetspot

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



53.6319, 45.5099, 7.7082



77.3713, 78.8782, 59.1207



46.2818, 24.3354, 25.2173



16.1346, 16.3490, 11.5324



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.



53.6319, 45.5099, 7.7082



50.6728, 40.1256, 5.0743



73.4365, 90.9040, 15.4264



18.8384, 19.6449, 18.9433



26.6290, 21.2691, 2.7019



2.7019, 2.2892, 0.2995

Inverse Universe

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



27.4765, 24.9403, 97.9728



24.1382, 19.3964, 97.0794



19.9260, 9.1694, 95.3267



17.6753, 18.7223, 22.9321



12.7569, 10.4234, 50.7741



1.3493, 1.2293, 4.9794

Previews

White Background



This preview shows how the XYZ color 53.6309, 45.5075, 7.7074 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 53.6309, 45.5075, 7.7074 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 53.6309, 45.5075, 7.7074

Background



This preview shows how black text looks on a background with the XYZ color 53.6309, 45.5075, 7.7074.



This preview shows how white text looks on a background with the XYZ color 53.6309, 45.5075,

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

53.6309, 45.5075, 7.7074

Protanopia

41.5885, 45.9187, 8.9567

Deuteranopia

46.4511, 45.5406, 7.4406



Tritanopia

58.4044, 45.5759, 38.5197

Trichromacy



Original Color

53.6309, 45.5075, 7.7074

Protanomaly

45.2770, 45.1947, 8.4349

Deuteranomaly

48.8086, 45.3759, 7.4823

Tritanomaly

55.7257, 45.2803, 22.0226

Monochromacy



Original Color

53.6309, 45.5075, 7.7074

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.0854, 41.7892, 24.9168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6309, 45.5075, 7.7074 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, 157, 37)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 37)  
}
```

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, 157, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 37) }
```

Border

The CSS property to change the border of an element to XYZ 53.6309, 45.5075, 7.7074 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, 157, 37) }
```


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

```
.border{ border-color:rgb(255, 157, 37) }
```

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

Here you see how a box with a 4 pixel rgb(255, 157, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 37);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6309, 45.5075, 7.7074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 37) }
```

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

```
.background{ background-color: rgb(255,  
157, 37) }
```

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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