

Converting Colors

XYZ(53.5531, 45.7482, 6.4597)

Have a look what the booklet for
XYZ(53.5531, 45.7482, 6.4597)
contains.

XYZ(53.5531, 45.7482, 6.4597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.5531, 45.7482,
6.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E0F
RGB	255, 158, 15
RGB Percent	100%, 62%, 6%
CMY	0.0000, 0.3804, 0.9411
CMYK	0.00, 0.38, 0.94, 0.00
HSL	36°, 100%, 53%
HSV	36°, 94%, 100%
XYZ	53.5531, 45.7482, 6.4597
YIQ	170.7010, 103.7150, -23.9090

Conversions

Conversions Part 2

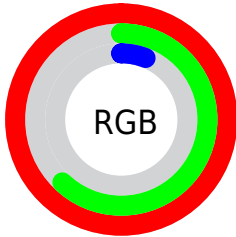
Format	Color
R _Y B	178, 255, 15
Decimal	16752143
CIE Lab	73.38, 27.70, 76.10
CIE LCh	73, 80.989, 69.997
Yxy	45.7482, 0.5064, 0.4326
Android (android.graphics.Color)	4294942223 (0xFFFF9E0F)
YUV	170.7010, -76.7606, 73.9302
Hunter-Lab	67.6374, 22.9650, 41.6837

Details

The XYZ color **53.5531, 45.7482, 6.4597** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **24.0417, 18.9108, 96.9900**, and the grayscale version is **38.8969, 40.9226, 44.5647**.

A 20% lighter version of the original color is **66.5956, 69.4730, 18.0833**, and **26.8923, 21.5145, 2.7353** is the 20% darker color. If you saturate the color by 10%, you get **52.4582, 43.6969, 5.6695**, and if you desaturate by 10%, it is **55.6920, 49.5376, 8.6799**.

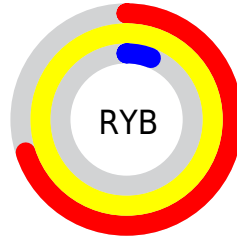
Distribution



Red (100%)

Green (62%)

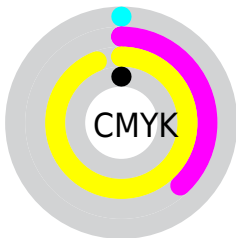
Blue (6%)



Red (70%)

Yellow (100%)

Blue (6%)

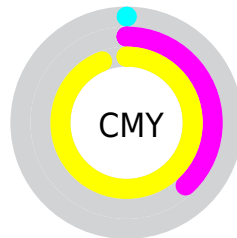


Cyan (0%)

Magenta (38%)

Yellow (94%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5531, 45.7482, 6.4597 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 53.5531, 45.7482, 6.4597 by changing the saturation by 10% instead.


 53.5531, 45.7482,
6.4597


 53.5531, 45.7482,
6.4597


390.6298,
369.7954, 172.5525

 38.4737, 32.0472,
3.0533


 94.5785, 83.8420,
19.3717

 26.5295, 21.3975,
1.1219


 121.2552,
109.0036, 29.7144


 17.3549, 13.4149,
0.0000


 152.5285,
138.7542, 43.2063

 10.5847, 7.7149,
0.0000

 188.7636,
173.4781, 60.2660

 5.8536, 3.9130,
0.0000

 230.3259,
213.5598, 81.3118

 2.7960, 1.6250,
0.0000

 277.5808,

 1.0468, 0.3744,

259.3837, 106.7625

0.0000

330.8937,
311.3341, 137.0365

■ 0.0000, 0.0000,
0.0000

■ 53.5531, 45.7482,
6.4597

■ 53.5531, 45.7482,
6.4597

■ 52.4582, 43.6969,
5.6695

■ 55.6920, 49.5376,
8.6799

■ 58.2673, 53.7411,
12.4582

■ 61.3317, 58.3870,
18.0510

■ 64.9279, 63.4977,
25.6675

■ 69.0931, 69.0931,
35.4878

73.8606, 75.1913,
47.6720

79.2607, 81.8094,
62.3651

85.3215, 88.9631,
79.7005

92.0690, 96.6674,
99.8018

Harmonies

Analogous

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



68.0542, 45.7482, 14.4652



53.5531, 45.7482, 6.4597



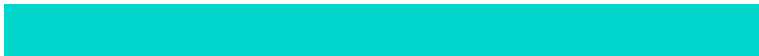
38.8935, 45.7482, 5.5933

Triad

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



53.5531, 45.7482, 6.4597



21.6817, 45.7482, 64.7270



63.5964, 45.7482, 137.4477

Complementary

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



53.5531, 45.7482, 6.4597



24.0417, 18.9108, 96.9900

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.



48.4185, 45.7482, 174.0883



53.5531, 45.7482, 6.4597



25.6765, 45.7482, 119.2604

Square

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



53.5531, 45.7482, 6.4597



22.4695, 45.7482, 27.4879



34.7605, 45.7482, 166.0509



74.6751, 45.7482, 81.7947

Rectangle

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



53.5531, 45.7482, 6.4597



31.1629, 45.7482, 8.0572



34.7605, 45.7482, 166.0509



58.6834, 45.7482, 153.4794

Sweetspot

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



53.5541, 45.7506, 6.4605



77.0852, 79.1747, 56.3473



44.5056, 22.8398, 18.2845



16.0069, 16.3405, 10.7287



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.



53.5541, 45.7506, 6.4605



52.4586, 43.6972, 5.6695



70.1071, 89.2162, 13.9778



18.9094, 19.7870, 18.9670



27.5611, 23.1334, 3.0126



2.7908, 2.4669, 0.3291

Inverse Universe

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



24.0417, 18.9108, 96.9900



22.9062, 16.9323, 96.6687



18.9144, 7.9195, 95.1387



17.6056, 18.5829, 22.9089



12.1060, 9.1217, 50.5572



1.2825, 1.0957, 4.9572

Previews

White Background



This preview shows how the XYZ color 53.5531, 45.7482, 6.4597 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 53.5531, 45.7482, 6.4597 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 53.5531, 45.7482, 6.4597

Background



This preview shows how black text looks on a background with the XYZ color 53.5531, 45.7482, 6.4597.



This preview shows how white text looks on a background with the XYZ color 53.5531, 45.7482,

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

53.5531, 45.7482, 6.4597

Protanopia

41.5906, 45.9511, 7.5415

Deuteranopia

46.5578, 45.6198, 6.3516



Tritanopia

58.4915, 45.6108, 38.9786

Trichromacy



Original Color

53.5531, 45.7482, 6.4597

Protanomaly

45.5104, 45.6293, 7.1181

Deuteranomaly

48.9235, 45.4605, 6.3398

Tritanomaly

55.2851, 45.1040, 19.7020

Monochromacy



Original Color

53.5531, 45.7482, 6.4597

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.0306, 41.0439, 21.6793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5531, 45.7482, 6.4597 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, 158, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 15)  
}
```

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, 158, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 15) }
```

Border

The CSS property to change the border of an element to XYZ 53.5531, 45.7482, 6.4597 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, 158, 15) }
```


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

```
.border{ border-color:rgb(255, 158, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5531, 45.7482, 6.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 15) }
```

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

```
.background{ background-color: rgb(255,  
158, 15) }
```

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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