

Converting Colors

XYZ(62.8479, 50.4075, 6.7045)

Have a look what the booklet for
XYZ(62.8479, 50.4075, 6.7045)
contains.

XYZ(53.3518, 45.3959, 6.2375)	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(53.3518, 45.3959,
6.2375)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9D0A
RGB	255, 157, 10
RGB Percent	100%, 62%, 4%
CMY	0.0000, 0.3843, 0.9607
CMYK	0.00, 0.38, 0.96, 0.00
HSL	36°, 100%, 52%
HSV	36°, 96%, 100%
XYZ	53.3518, 45.3959, 6.2375
YIQ	169.5440, 105.5950, -24.9410

Conversions

Conversions Part 2

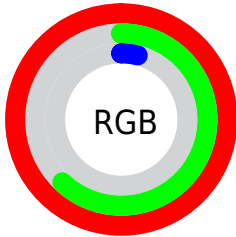
Format	Color
RYB	173, 255, 10
Decimal	16751882
CIELab	73.15, 28.18, 76.61
CIELCh	73, 81.629, 69.807
Yxy	45.3959, 0.5082, 0.4324
Android (android.graphics.Color)	4294941962 (0xFFFF9D0A)
YUV	169.5440, -78.6552, 74.9449
Hunter-Lab	67.3765, 23.4357, 41.6747

Details

The XYZ color **53.3518, 45.3959, 6.2375** 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 **23.5384, 18.0110, 96.8429**, and the grayscale version is **38.3256, 40.3215, 43.9101**.

A 20% lighter version of the original color is **66.2687, 68.9410, 17.5988**, and **26.7898, 21.3096, 2.7012** is the 20% darker color. If you saturate the color by 10%, you get **52.6312, 44.0429, 5.7272**, and if you desaturate by 10%, it is **55.4075, 49.0977, 8.1870**.

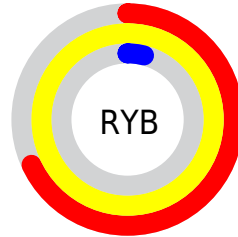
Distribution



Red (100%)

Green (62%)

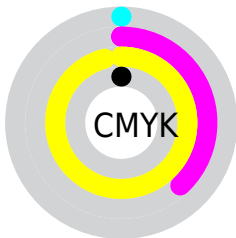
Blue (4%)



Red (68%)

Yellow (100%)

Blue (4%)

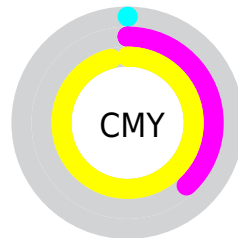


Cyan (0%)

Magenta (38%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3518, 45.3959, 6.2375 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 53.3518, 45.3959, 6.2375 by changing the saturation by 10% instead.


 53.3518, 45.3959,
6.2375

 53.3518, 45.3959,
6.2375


389.8722,
368.3746, 170.5515


 38.3123, 31.7694,
2.9189


 94.2843, 83.3142,
18.9080


 26.4035, 21.1854,
1.0534


 120.9080,
108.3747, 29.0970

 17.2600, 13.2596,
0.0000


 152.1239,
138.0154, 42.4132

 10.5165, 7.6075,
0.0000

 188.2972,
172.6206, 59.2752

 5.8076, 3.8449,
0.0000

 229.7933,
212.5748, 80.1015

 2.7680, 1.5872,
0.0000

 276.9776,

 1.0323, 0.3489,

258.2622, 105.3106

0.0000

330.2154,
310.0673, 135.3211

■ 0.0000, 0.0000,
0.0000

■ 53.3518, 45.3959,
6.2375

■ 53.3518, 45.3959,
6.2375

■ 52.6312, 44.0429,
5.7272

■ 55.4075, 49.0977,
8.1870

■ 57.8850, 53.2022,
11.6351

■ 60.8395, 57.7387,
16.8512

■ 64.3150, 62.7298,
24.0517

■ 68.3494, 68.1956,
33.4214

■ 72.9767, 74.1544,
45.1239

■ 78.2275, 80.6232,
59.3068

■ 84.1302, 87.6178,
76.1054

■ 90.7112, 95.1532,
95.6453

Harmonies

Analogous

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



67.9049, 45.3959, 14.2115



53.3518, 45.3959, 6.2375



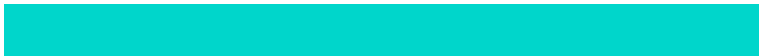
38.6314, 45.3959, 5.3545

Triad

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



53.3518, 45.3959, 6.2375



21.3285, 45.3959, 64.0912



63.2532, 45.3959, 137.9586

Complementary

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



53.3518, 45.3959, 6.2375



23.5384, 18.0110, 96.8429

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.



48.0023, 45.3959, 174.7149



53.3518, 45.3959, 6.2375



25.2839, 45.3959, 118.9255

Square

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



53.3518, 45.3959, 6.2375



22.1441, 45.3959, 26.9242



34.3350, 45.3959, 166.2926



74.4407, 45.3959, 81.8985

Rectangle

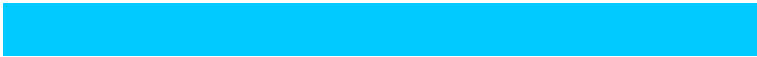
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.3518, 45.3959, 6.2375



30.8720, 45.3959, 7.7486



34.3350, 45.3959, 166.2926



58.3093, 45.3959, 154.0813

Sweetspot

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



53.3528, 45.3983, 6.2383



76.6247, 78.6764, 54.8905



44.0556, 22.5601, 16.2223



15.9219, 16.2497, 10.4557



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.



53.3528, 45.3983, 6.2383



52.6316, 44.0432, 5.7272



68.6087, 88.4474, 13.7436



18.9160, 19.8001, 18.9692



27.6512, 23.3137, 3.0426



2.7993, 2.4839, 0.3319

Inverse Universe

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



23.5384, 18.0110, 96.8429



22.8011, 16.7223, 96.6337



18.8353, 7.7862, 95.1172



17.5993, 18.5701, 22.9068



12.0504, 9.0104, 50.5386



1.2767, 1.0841, 4.9552

Previews

White Background



This preview shows how the XYZ color 53.3518, 45.3959, 6.2375 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 53.3518, 45.3959, 6.2375 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 53.3518, 45.3959, 6.2375

Background



This preview shows how black text looks on a background with the XYZ color 53.3518, 45.3959, 6.2375.



This preview shows how white text looks on a background with the XYZ color 53.3518, 45.3959,

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

53.3518, 45.3959, 6.2375

Protanopia

41.2878, 45.7984, 7.3733

Deuteranopia

46.5578, 45.6198, 6.3516



Tritanopia

58.2455, 45.2581, 38.4667

Trichromacy



Original Color

53.3518, 45.3959, 6.2375

Protanomaly

44.9779, 45.0751, 6.8601

Deuteranomaly

48.9180, 45.4583, 6.3109

Tritanomaly

55.0180, 44.7364, 19.0998

Monochromacy



Original Color

53.3518, 45.3959, 6.2375

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.4672, 40.4976, 21.0132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3518, 45.3959, 6.2375 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 10) }
```

Border

The CSS property to change the border of an element to XYZ 53.3518, 45.3959, 6.2375 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, 10) }
```


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

```
.border{ border-color:rgb(255, 157, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3518, 45.3959, 6.2375 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, 10) }
```

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

```
.background{ background-color: rgb(255,  
157, 10) }
```

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