

Converting Colors

XYZ(53.6050, 45.7006, 6.9440)

Have a look what the booklet for
XYZ(53.6050, 45.7006, 6.9440)
contains.

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Color

**XYZ(53.6533, 45.7883,
6.9875)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E1A
RGB	255, 158, 26
RGB Percent	100%, 62%, 10%
CMY	0.0000, 0.3804, 0.8980
CMYK	0.00, 0.38, 0.90, 0.00
HSL	35°, 100%, 55%
HSV	35°, 90%, 100%
XYZ	53.6533, 45.7883, 6.9875
YIQ	171.9550, 100.1840, -20.4880

Conversions

Conversions Part 2

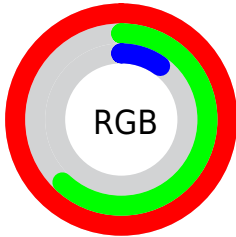
Format	Color
RYB	194, 255, 26
Decimal	16752154
CIELab	73.41, 27.85, 74.08
CIELCh	73, 79.141, 69.397
Yxy	45.7883, 0.5041, 0.4302
Android (android.graphics.Color)	4294942234 (0xFFFF9E1A)
YUV	171.9550, -71.9558, 72.8305
Hunter-Lab	67.6671, 23.1156, 41.2445

Details

The XYZ color **53.6533, 45.7883, 6.9875** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **25.5589, 21.6054, 97.4301**, and the grayscale version is **39.5088, 41.5663, 45.2657**.

A 20% lighter version of the original color is **66.7957, 69.5531, 19.1371**, and **26.8923, 21.5145, 2.7353** is the 20% darker color. If you saturate the color by 10%, you get **51.7083, 42.1927, 5.4333**, and if you desaturate by 10%, it is **56.0008, 49.8080, 9.8533**.

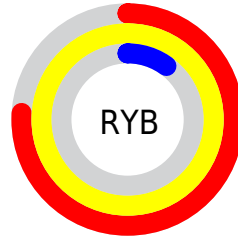
Distribution



Red (100%)

Green (62%)

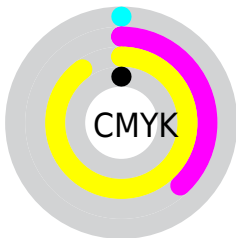
Blue (10%)



Red (76%)

Yellow (100%)

Blue (10%)

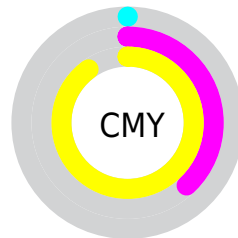


Cyan (0%)

Magenta (38%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6533, 45.7883, 6.9875 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 53.6533, 45.7883, 6.9875 by changing the saturation by 10% instead.


 53.6533, 45.7883,
6.9875


 53.6533, 45.7883,
6.9875


391.0065,
369.9569, 177.1868

 38.5541, 32.0788,
3.3760


 94.7249, 83.9021,
20.4605

 26.5922, 21.4217,
1.2897


 121.4280,
109.0751, 31.1590


 17.4022, 13.4326,
0.0533


 152.7298,
138.8382, 45.0570

 10.6187, 7.7271,
0.0000

 188.9956,
173.5756, 62.5729

 5.8765, 3.9208,
0.0000

 230.5909,
213.6718, 84.1253

 2.8101, 1.6294,
0.0000

 277.8809,

 1.0541, 0.3773,

259.5111, 110.1327

0.0000

331.2310,
311.4780, 141.0137

■ 0.0000, 0.0000,
0.0000

■ 53.6533, 45.7883,
6.9875

■ 53.6533, 45.7883,
6.9875

■ 51.7083, 42.1927,
5.4333

■ 56.0008, 49.8080,
9.8533

■ 51.6721, 42.1246,
5.4075

■ 58.8219, 54.2806,
14.3995

■ 62.1655, 59.2339,
20.8595

■ 66.0721, 64.6900,
29.4287

■ 70.5777, 70.6691,
40.2778

■ 75.7145, 77.1897,
53.5601

■ 81.5123, 84.2691,
69.4156

■ 87.9988, 91.9238,
87.9731

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



67.7015, 45.7883, 15.2752



53.6533, 45.7883, 6.9875



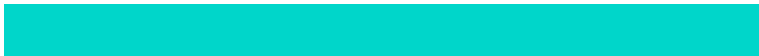
39.2878, 45.7883, 5.9919

Triad

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



53.6533, 45.7883, 6.9875



22.0657, 45.7883, 63.4737



62.8521, 45.7883, 135.8485

Complementary

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



53.6533, 45.7883, 6.9875



25.5589, 21.6054, 97.4301

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.



48.0466, 45.7883, 170.4615



53.6533, 45.7883, 6.9875



25.9153, 45.7883, 116.1974

Square

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



53.6533, 45.7883, 6.9875



22.9386, 45.7883, 27.4228



34.7511, 45.7883, 161.8051



73.7507, 45.7883, 82.0513

Rectangle

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



53.6533, 45.7883, 6.9875



31.6416, 45.7883, 8.4180



34.7511, 45.7883, 161.8051



58.0525, 45.7883, 151.1402

Sweetspot

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



53.6543, 45.7907, 6.9883



77.2712, 79.1161, 57.7363



45.3261, 23.4857, 21.6259



16.1347, 16.4329, 11.2742



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.



53.6543, 45.7907, 6.9883



51.6725, 42.1250, 5.4075



71.7908, 90.0726, 14.5797



18.8790, 19.7261, 18.9568



27.1511, 22.3134, 2.8759



2.7519, 2.3891, 0.3161

Inverse Universe

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



25.5589, 21.6054, 97.4301



23.4134, 17.9468, 96.8378



19.3448, 8.4361, 95.2157



17.6354, 18.6424, 22.9188



12.3744, 9.6583, 50.6466



1.3103, 1.1513, 4.9664

Previews

White Background



This preview shows how the XYZ color 53.6533, 45.7883, 6.9875 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 53.6533, 45.7883, 6.9875 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 53.6533, 45.7883, 6.9875

Background



This preview shows how black text looks on a background with the XYZ color 53.6533, 45.7883, 6.9875.



This preview shows how white text looks on a background with the XYZ color 53.6533, 45.7883,

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

53.6533, 45.7883, 6.9875

Protanopia

41.4270, 45.8541, 8.1061

Deuteranopia

46.9253, 45.8036, 6.6262



Tritanopia

58.4915, 45.6108, 38.9786

Trichromacy



Original Color

53.6533, 45.7883, 6.9875

Protanomaly

45.3021, 45.5105, 7.6250

Deuteranomaly

48.9823, 45.4841, 6.6496

Tritanomaly

55.5005, 45.1902, 20.8363

Monochromacy



Original Color

53.6533, 45.7883, 6.9875

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.5056, 41.5259, 23.2805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6533, 45.7883, 6.9875 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 26) }
```

Border

The CSS property to change the border of an element to XYZ 53.6533, 45.7883, 6.9875 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, 26) }
```


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

```
.border{ border-color:rgb(255, 158, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6533, 45.7883, 6.9875 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, 26) }
```

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

```
.background{ background-color: rgb(255,  
158, 26) }
```

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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