

Converting Colors

XYZ(51.0159, 40.5311, 6.0543)

Have a look what the booklet for
XYZ(51.0159, 40.5311, 6.0543)
contains.

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Color

**XYZ(51.0885, 40.6762,
6.0783)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E19
RGB	255, 142, 25
RGB Percent	100%, 56%, 10%
CMY	0.0000, 0.4431, 0.9019
CMYK	0.00, 0.44, 0.90, 0.00
HSL	31°, 100%, 55%
HSV	31°, 90%, 100%
XYZ	51.0885, 40.6762, 6.0783
YIQ	162.4490, 104.9050, -12.4310

Conversions

Conversions Part 2

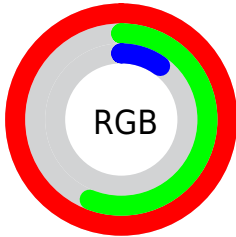
Format	Color
RYB	247, 255, 25
Decimal	16748057
CIELab	69.95, 36.07, 71.75
CIELCh	70, 80.305, 63.312
Yxy	40.6762, 0.5221, 0.4157
Android (android.graphics.Color)	4294938137 (0xFFFF8E19)
YUV	162.4490, -67.7624, 81.1672
Hunter-Lab	63.7779, 31.3739, 38.9939

Details

The XYZ color **51.0885, 40.6762, 6.0783** 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 **27.5389, 25.6028, 98.0974**, and the grayscale version is **34.8288, 36.6426, 39.9038**.

A 20% lighter version of the original color is **62.8459, 61.8484, 17.2199**, and **25.1420, 18.3887, 2.2242** is the 20% darker color. If you saturate the color by 10%, you get **49.1856, 37.1515, 4.5786**, and if you desaturate by 10%, it is **53.4706, 44.7829, 8.9008**.

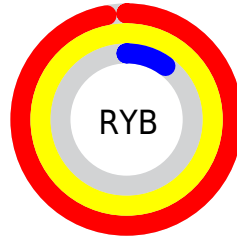
Distribution



Red (100%)

Green (56%)

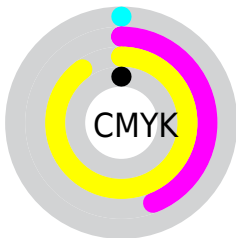
Blue (10%)



Red (97%)

Yellow (100%)

Blue (10%)

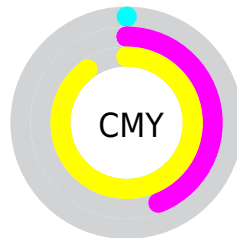


Cyan (0%)

Magenta (44%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0885, 40.6762, 6.0783 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 51.0885, 40.6762, 6.0783 by changing the saturation by 10% instead.


 51.0885, 40.6762,
6.0783


 51.0885, 40.6762,
6.0783

381.2895,
348.9655, 169.0982


 36.5004, 28.0662,
2.8232


 90.9678, 76.1921,
18.5737

 24.9928, 18.3755,
1.0051

 116.9897, 99.8668,
28.6510

 16.2004, 11.2199,
0.0000


 147.5535,
127.9984, 41.8395

 9.7578, 6.2150,
0.0000

 183.0246,
160.9715, 58.5577

 5.2997, 2.9762,
0.0000

 223.7685,
199.1703, 79.2241

 2.4607, 1.1193,
0.0000

 270.1503,

 0.8755, 0.0000,

242.9793, 104.2573

0.0000

322.5356,
292.7829, 134.0759

■ 0.0000, 0.0000,
0.0000

■ 51.0885, 40.6762,
6.0783

■ 51.0885, 40.6762,
6.0783

■ 49.1856, 37.1515,
4.5786

■ 53.4706, 44.7829,
8.9008

■ 56.3747, 49.4423,
13.4105

■ 59.8522, 54.6868,
19.8432

■ 63.9464, 60.5435,
28.3962

■ 68.6954, 67.0368,
39.2419

■ 74.1337, 74.1896,
52.5349

■ 80.2932, 82.0231,
68.4160

■ 87.2035, 90.5577,
87.0155

94.8924, 99.8126,
108.4547

Harmonies

Analogous

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



63.7082, 40.6762, 15.3468



51.0885, 40.6762, 6.0783



37.2271, 40.6762, 4.2825

Triad

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



51.0885, 40.6762, 6.0783



18.6017, 40.6762, 48.5808



54.1782, 40.6762, 135.8275

Complementary

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



51.0885, 40.6762, 6.0783



27.5389, 25.6028, 98.0974

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.



40.1322, 40.6762, 162.0764



51.0885, 40.6762, 6.0783



21.2271, 40.6762, 96.7705

Square

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



51.0885, 40.6762, 6.0783



20.2680, 40.6762, 19.1827



28.4332, 40.6762, 144.7987



65.7561, 40.6762, 85.1386

Rectangle

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



51.0885, 40.6762, 6.0783



29.5411, 40.6762, 5.6137



28.4332, 40.6762, 144.7987



49.4889, 40.6762, 148.7840

Sweetspot

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



51.0894, 40.6784, 6.0790



76.0217, 76.6171, 57.3198



46.3213, 23.8489, 26.9737



15.8405, 15.8444, 11.1761



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.



51.0894, 40.6784, 6.0790



49.1859, 37.1518, 4.5786



77.1750, 92.8496, 14.7742



18.7733, 19.5148, 18.9216



25.8506, 19.7124, 2.4424



2.6263, 2.1380, 0.2743

Inverse Universe

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



27.5389, 25.6028, 98.0974



25.4187, 21.9573, 97.5062



18.7987, 8.1222, 95.1840



17.7399, 18.8514, 22.9536



13.4304, 11.7704, 50.9986



1.4167, 1.3641, 5.0019

Previews

White Background



This preview shows how the XYZ color 51.0885, 40.6762, 6.0783 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 51.0885, 40.6762, 6.0783 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 51.0885, 40.6762, 6.0783

Background



This preview shows how black text looks on a background with the XYZ color 51.0885, 40.6762, 6.0783.



This preview shows how white text looks on a background with the XYZ color 51.0885, 40.6762,

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

51.0885, 40.6762, 6.0783

Protanopia

37.0194, 40.9523, 7.3923

Deuteranopia

41.5356, 40.5924, 5.6459



Tritanopia

54.9380, 40.6016, 31.3269

Trichromacy



Original Color

51.0885, 40.6762, 6.0783

Protanomaly

41.2981, 40.1824, 6.8076

Deuteranomaly

44.7256, 40.4513, 5.7090

Tritanomaly

52.6774, 40.3765, 17.3290

Monochromacy



Original Color

51.0885, 40.6762, 6.0783

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.4109, 36.3483, 20.3734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0885, 40.6762, 6.0783 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, 142, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 25)  
}
```

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, 142, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 25) }
```

Border

The CSS property to change the border of an element to XYZ 51.0885, 40.6762, 6.0783 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, 142, 25) }
```


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

```
.border{ border-color:rgb(255, 142, 25) }
```

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

Here you see how a box with a 4 pixel rgb(255, 142, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0885, 40.6762, 6.0783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 25) }
```

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

```
.background{ background-color: rgb(255,  
142, 25) }
```

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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