

Converting Colors

XYZ(50.8190, 40.2403, 5.6707)

Have a look what the booklet for
XYZ(50.8190, 40.2403, 5.6707)
contains.

XYZ(50.8741, 40.3534, 5.6799)	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(50.8741, 40.3534,
5.6799)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8D12
RGB	255, 141, 18
RGB Percent	100%, 55%, 7%
CMY	0.0000, 0.4470, 0.9294
CMYK	0.00, 0.45, 0.93, 0.00
HSL	31°, 100%, 54%
HSV	31°, 93%, 100%
XYZ	50.8741, 40.3534, 5.6799
YIQ	161.0640, 107.4270, -14.0850

Conversions

Conversions Part 2

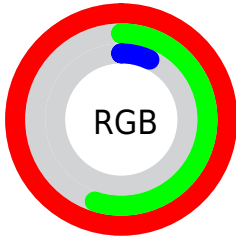
Format	Color
R _Y B	238, 255, 18
Decimal	16747794
CIE Lab	69.72, 36.48, 73.06
CIE LCh	70, 81.666, 63.467
Yxy	40.3534, 0.5250, 0.4164
Android (android.graphics.Color)	4294937874 (0xFFFF8D12)
YUV	161.0640, -70.5306, 82.3819
Hunter-Lab	63.5243, 31.7860, 39.1657

Details

The XYZ color **50.8741, 40.3534, 5.6799** 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 **26.5507, 23.8511, 97.8115**, and the grayscale version is **34.1903, 35.9709, 39.1723**.

A 20% lighter version of the original color is **62.5029, 61.3491, 16.5299**, and **25.0582, 18.2211, 2.1963** is the 20% darker color. If you saturate the color by 10%, you get **49.5380, 37.8564, 4.6961**, and if you desaturate by 10%, it is **53.1211, 44.3100, 8.0876**.

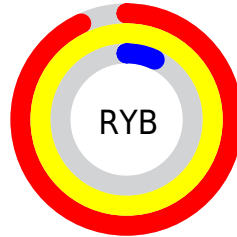
Distribution



Red (100%)

Green (55%)

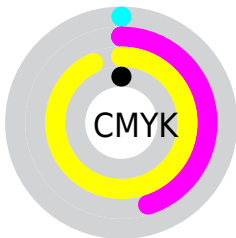
Blue (7%)



Red (93%)

Yellow (100%)

Blue (7%)

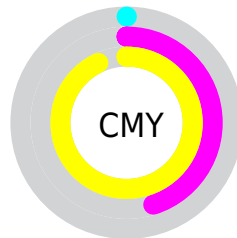


Cyan (0%)

Magenta (45%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8741, 40.3534, 5.6799 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 50.8741, 40.3534, 5.6799 by changing the saturation by 10% instead.


 50.8741, 40.3534,
5.6799


 50.8741, 40.3534,
5.6799


380.4702,
347.6109, 165.3850


 36.3291, 27.8142,
2.5858


 90.6527, 75.7014,
17.7288


 24.8597, 18.1856,
0.8851


 116.6171, 99.2789,
27.5208


 16.1007, 11.0834,
0.0000


 147.1185,
127.3047, 40.3824

 9.6868, 6.1229,
0.0000

 182.5224,
160.1631, 56.7323

 5.2524, 2.9200,
0.0000

 223.1942,
198.2385, 76.9889

 2.4324, 1.0901,
0.0000

 269.4992,

 0.8613, 0.0000,

241.9153, 101.5709

0.0000

321.8027,
291.5780, 130.8967

■ 0.0000, 0.0000,
0.0000

■ 50.8741, 40.3534,
5.6799

■ 50.8741, 40.3534,
5.6799

■ 49.5380, 37.8564,
4.6961

■ 53.1211, 44.3100,
8.0876

■ 55.8666, 48.7945,
12.1053

■ 59.1643, 53.8399,
17.9834

■ 63.0588, 59.4729,
25.9276

■ 67.5889, 65.7180,
36.1163

72.7898, 72.5977,
48.7082

78.6936, 80.1329,
63.8476

85.3302, 88.3436,
81.6671

92.7276, 97.2485,
102.2903

Harmonies

Analogous

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



63.7224, 40.3534, 14.7680



50.8741, 40.3534, 5.6799



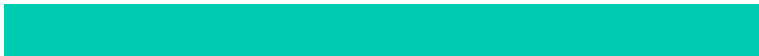
36.8371, 40.3534, 3.9625

Triad

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



50.8741, 40.3534, 5.6799



18.1578, 40.3534, 48.4918



54.1585, 40.3534, 137.0084

Complementary

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



50.8741, 40.3534, 5.6799



26.5507, 23.8511, 97.8115

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.



39.9134, 40.3534, 164.1123



50.8741, 40.3534, 5.6799



20.8105, 40.3534, 97.5867

Square

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



50.8741, 40.3534, 5.6799



19.8039, 40.3534, 18.7719



28.0787, 40.3534, 146.6270



65.9044, 40.3534, 85.1664

Rectangle

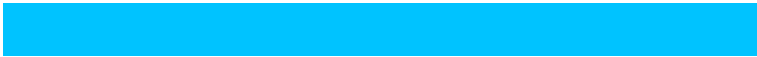
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.8741, 40.3534, 5.6799



29.0922, 40.3534, 5.2692



28.0787, 40.3534, 146.6270



49.4000, 40.3534, 150.3351

Sweetspot

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



50.8750, 40.3556, 5.6806



75.6158, 76.2359, 55.8575



45.6590, 23.3739, 24.1341



15.6543, 15.6353, 10.6112



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.



50.8750, 40.3556, 5.6806



49.5383, 37.8566, 4.6961



75.6705, 92.0817, 14.3579



18.7893, 19.5468, 18.9269



26.0353, 20.0818, 2.5040



2.6444, 2.1741, 0.2803

Inverse Universe

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



26.5507, 23.8511, 97.8115



25.0901, 21.3002, 97.3967



18.5963, 7.8229, 95.1370



17.7240, 18.8195, 22.9483



13.2578, 11.4252, 50.9411



1.3996, 1.3298, 4.9962

Previews

White Background



This preview shows how the XYZ color 50.8741, 40.3534, 5.6799 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 50.8741, 40.3534, 5.6799 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 50.8741, 40.3534, 5.6799

Background



This preview shows how black text looks on a background with the XYZ color 50.8741, 40.3534, 5.6799.



This preview shows how white text looks on a background with the XYZ color 50.8741, 40.3534,

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

50.8741, 40.3534, 5.6799

Protanopia

36.5107, 40.4161, 6.9754

Deuteranopia

41.2392, 40.4396, 5.6321



Tritanopia

54.7230, 40.2934, 30.8798

Trichromacy



Original Color

50.8741, 40.3534, 5.6799

Protanomaly

40.7600, 39.6546, 6.3700

Deuteranomaly

44.2271, 39.9495, 5.5810

Tritanomaly

52.3903, 40.0332, 16.5212

Monochromacy



Original Color

50.8741, 40.3534, 5.6799

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.8216, 35.8174, 19.4407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8741, 40.3534, 5.6799 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, 141, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 18)  
}
```

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, 141, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 18) }
```

Border

The CSS property to change the border of an element to XYZ 50.8741, 40.3534, 5.6799 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, 141, 18) }
```


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

```
.border{ border-color:rgb(255, 141, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8741, 40.3534, 5.6799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 18) }
```

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

```
.background{ background-color: rgb(255,  
141, 18) }
```

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