

Converting Colors

XYZ(51.4901, 41.6599, 5.6580)

Have a look what the booklet for
XYZ(51.4901, 41.6599, 5.6580)
contains.

XYZ(51.4258, 41.5350, 5.6232)	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(51.4258, 41.5350,
5.6232)**

Conversions

Conversions Part 1

Format	Color
Hex	FF910B
RGB	255, 145, 11
RGB Percent	100%, 57%, 4%
CMY	0.0000, 0.4313, 0.9568
CMYK	0.00, 0.43, 0.96, 0.00
HSL	33°, 100%, 52%
HSV	33°, 96%, 100%
XYZ	51.4258, 41.5350, 5.6232
YIQ	162.6140, 108.5740, -18.3540

Conversions

Conversions Part 2

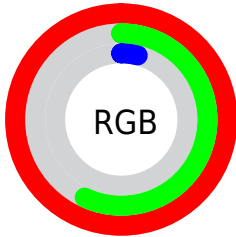
Format	Color
R_{YB}	211, 255, 11
Decimal	16748811
CIE Lab	70.55, 34.37, 74.74
CIE LCh	71, 82.267, 65.304
Yxy	41.5350, 0.5216, 0.4213
Android (android.graphics.Color)	4294938891 (0xFFFF910B)
YUV	162.6140, -74.7457, 81.0225
Hunter-Lab	64.4477, 29.6501, 39.9402

Details

The XYZ color **51.4258, 41.5350, 5.6232** 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 **25.0256, 20.9664, 97.3348**, and the grayscale version is **34.9378, 36.7573, 40.0287**.

A 20% lighter version of the original color is **63.3056, 63.1331, 16.2465**, and **25.4002, 18.9051, 2.3103** is the 20% darker color. If you saturate the color by 10%, you get **50.6242, 40.0289, 5.0582**, and if you desaturate by 10%, it is **53.5390, 45.3366, 7.6393**.

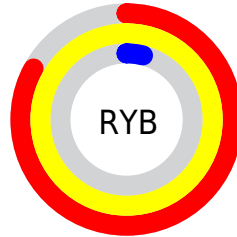
Distribution



Red (100%)

Green (57%)

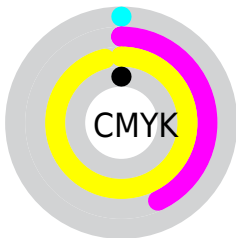
Blue (4%)



Red (83%)

Yellow (100%)

Blue (4%)

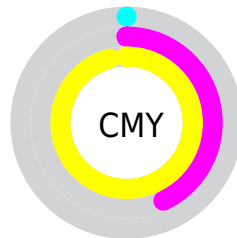


Cyan (0%)

Magenta (43%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4258, 41.5350, 5.6232 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 51.4258, 41.5350, 5.6232 by changing the saturation by 10% instead.


 51.4258, 41.5350,
5.6232

 51.4258, 41.5350,
5.6232


382.5763,
352.5517, 164.8471

 36.7700, 28.7374,
2.5523


 91.4631, 77.4954,
17.6076


 25.2023, 18.8822,
0.8677


 117.5754,
101.4269, 27.3582


 16.3574, 11.5852,
0.0000


 148.2371,
129.8385, 40.1724

 9.8699, 6.4619,
0.0000

 183.8138,
163.1146, 56.4688

 5.3744, 3.1279,
0.0000

 224.6707,
201.6396, 76.6660

 2.5055, 1.1989,
0.0000

 271.1731,

 0.8981, 0.0608,

245.7978, 101.1824

0.0000

323.6866,
295.9737, 130.4366

0.0000, 0.0000,
0.0000

51.4258, 41.5350,
5.6232

51.4258, 41.5350,
5.6232

50.6242, 40.0289,
5.0582

53.5390, 45.3366,
7.6393

56.1119, 49.6126,
11.1777

59.2002, 54.3950,
16.5057

62.8494, 59.7095,
23.8384

67.0987, 65.5788,
33.3604

71.9831, 72.0239,
45.2349

77.5346, 79.0644,
59.6094

83.7827, 86.7186,
76.6193

90.7549, 95.0039,
96.3901

Harmonies

Analogous

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



64.8578, 41.5350, 14.3075



51.4258, 41.5350, 5.6232



37.1123, 41.5350, 4.1501

Triad

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



51.4258, 41.5350, 5.6232



18.7647, 41.5350, 52.4974



56.5766, 41.5350, 137.8494

Complementary

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



51.4258, 41.5350, 5.6232



25.0256, 20.9664, 97.3348

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.



41.9417, 41.5350, 168.0669



51.4258, 41.5350, 5.6232



21.7694, 41.5350, 103.6864

Square

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



51.4258, 41.5350, 5.6232



20.1859, 41.5350, 20.6195



29.5405, 41.5350, 152.9023



68.2778, 41.5350, 84.2259

Rectangle

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



51.4258, 41.5350, 5.6232



29.3338, 41.5350, 5.7072



29.5405, 41.5350, 152.9023



51.7261, 41.5350, 152.1476

Sweetspot

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



51.4267, 41.5372, 5.6239



75.6175, 76.6619, 54.5547



45.0529, 22.9768, 21.4196



15.6813, 15.7685, 10.3755



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.



51.4267, 41.5372, 5.6239



50.6246, 40.0292, 5.0582



74.1307, 91.2934, 14.0312



18.8363, 19.6409, 18.9426



26.6038, 21.2188, 2.6935



2.6995, 2.2843, 0.2986

Inverse Universe

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



25.0256, 20.9664, 97.3348



24.1756, 19.4713, 97.0919



18.4410, 7.5994, 95.1018



17.6773, 18.7263, 22.9328



12.7766, 10.4628, 50.7807



1.3513, 1.2333, 4.9801

Previews

White Background



This preview shows how the XYZ color 51.4258, 41.5350, 5.6232 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 51.4258, 41.5350, 5.6232 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 51.4258, 41.5350, 5.6232

Background



This preview shows how black text looks on a background with the XYZ color 51.4258, 41.5350, 5.6232.



This preview shows how white text looks on a background with the XYZ color 51.4258, 41.5350,

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

51.4258, 41.5350, 5.6232

Protanopia

37.6039, 41.5511, 6.8488

Deuteranopia

42.4889, 41.6110, 5.7923



Tritanopia

55.5949, 41.5435, 32.6923

Trichromacy



Original Color

51.4258, 41.5350, 5.6232

Protanomaly

41.8300, 40.9931, 6.3239

Deuteranomaly

45.3576, 41.2785, 5.6918

Tritanomaly

52.9695, 41.1916, 16.7142

Monochromacy



Original Color

51.4258, 41.5350, 5.6232

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.3602, 36.5954, 19.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4258, 41.5350, 5.6232 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, 145, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 11)  
}
```

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, 145, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 11) }
```

Border

The CSS property to change the border of an element to XYZ 51.4258, 41.5350, 5.6232 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, 145, 11) }
```


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

```
.border{ border-color:rgb(255, 145, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4258, 41.5350, 5.6232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 11) }
```

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

```
.background{ background-color: rgb(255,  
145, 11) }
```

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