

Converting Colors

XYZ(57.1441, 52.8603, 7.8720)

Have a look what the booklet for
XYZ(57.1441, 52.8603, 7.8720)
contains.

XYZ(57.0884, 52.7548, 7.8356)	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(57.0884, 52.7548,
7.8356)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB114
RGB	255, 177, 20
RGB Percent	100%, 69%, 8%
CMY	0.0000, 0.3059, 0.9215
CMYK	0.00, 0.31, 0.92, 0.00
HSL	40°, 100%, 54%
HSV	40°, 92%, 100%
XYZ	57.0884, 52.7548, 7.8356
YIQ	182.4240, 96.8850, -32.2910

Conversions

Conversions Part 2

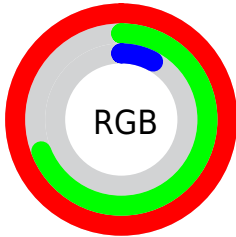
Format	Color
RYB	137, 255, 20
Decimal	16757012
CIELab	77.73, 17.86, 78.41
CIELCh	78, 80.422, 77.172
Yxy	52.7548, 0.4851, 0.4483
Android (android.graphics.Color)	4294947092 (0xFFFFB114)
YUV	182.4240, -80.0750, 63.6492
Hunter-Lab	72.6325, 13.1923, 44.4465

Details

The XYZ color **57.0884, 52.7548, 7.8356** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **22.7065, 16.1046, 96.5187**, and the grayscale version is **45.0833, 47.4311, 51.6525**.

A 20% lighter version of the original color is **71.8581, 79.6778, 20.8245**, and **29.0718, 25.8737, 3.4619** is the 20% darker color. If you saturate the color by 10%, you get **55.6830, 50.1466, 6.7444**, and if you desaturate by 10%, it is **59.1708, 56.3484, 10.2922**.

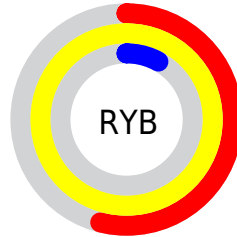
Distribution



Red (100%)

Green (69%)

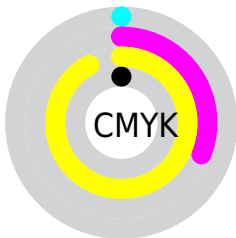
Blue (8%)



Red (54%)

Yellow (100%)

Blue (8%)

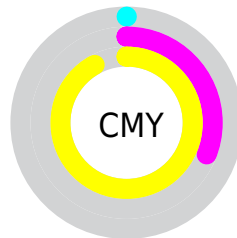


Cyan (0%)

Magenta (31%)

Yellow (92%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.0884, 52.7548, 7.8356 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 57.0884, 52.7548, 7.8356 by changing the saturation by 10% instead.


 57.0884, 52.7548,
7.8356


 57.0884, 52.7548,
7.8356


403.7893,
397.3437, 184.3230

 41.3166, 37.6071,
3.9037


 99.7248, 94.2435,
22.1763

 28.7553, 25.6779,
1.5726


 127.3201,
121.3532, 33.4222

 19.0392, 16.5828,
0.2712


 159.5873,
153.2190, 47.9432

 11.8028, 9.9375,
0.0000

 196.8918,
190.2253, 66.1578

 6.6808, 5.3575,
0.0000

 239.5989,
232.7566, 88.4845

 3.3078, 2.4585,
0.0000

 288.0739,

 1.3186, 0.8558,

281.1971, 115.3419

0.0000

342.6823,
335.9314, 147.1486

■ 0.1970, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0884, 52.7548,
7.8356

■ 57.0884, 52.7548,
7.8356

■ 55.6830, 50.1466,
6.7444

■ 59.1708, 56.3484,
10.2922

■ 61.6544, 60.2690,
14.3466

■ 64.5884, 64.5415,
20.2435

■ 68.0128, 69.1845,
28.1850

71.9624, 74.2147,
38.3462

76.4684, 79.6471,
50.8835

81.5593, 85.4959,
65.9388

87.2615, 91.7740,
83.6431

93.5995, 98.4938,
104.1181

Harmonies

Analogous

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



73.3764, 52.7548, 14.7096



57.0884, 52.7548, 7.8356



41.8108, 52.7548, 8.2899

Triad

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



57.0884, 52.7548, 7.8356



26.6291, 52.7548, 86.6613



75.4643, 52.7548, 137.6845

Complementary

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



57.0884, 52.7548, 7.8356



22.7065, 16.1046, 96.5187

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.



59.5120, 52.7548, 184.5050



57.0884, 52.7548, 7.8356



32.4164, 52.7548, 146.0807

Square

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



57.0884, 52.7548, 7.8356



26.2458, 52.7548, 40.4269



43.7830, 52.7548, 188.1913



85.3713, 52.7548, 78.6628

Rectangle

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



57.0884, 52.7548, 7.8356



34.1385, 52.7548, 12.6232



43.7830, 52.7548, 188.1913



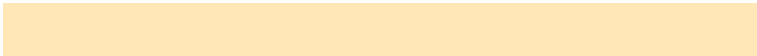
70.4971, 52.7548, 156.4522

Sweetspot

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



57.0896, 52.7575, 7.8366



78.5105, 82.0253, 56.8224



43.7107, 22.6488, 13.7075



16.3508, 17.0283, 10.8433



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.



57.0896, 52.7575, 7.8366



55.6835, 50.1470, 6.7445



64.1560, 86.1437, 13.9083



19.0235, 20.0152, 19.0050



29.2386, 26.4884, 3.5717



2.9472, 2.7798, 0.3812

Inverse Universe

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



22.7065, 16.1046, 96.5187



21.2697, 13.6595, 96.1232



20.1142, 8.6558, 95.2175



17.4955, 18.3626, 22.8722



11.2355, 7.3805, 50.2670



1.1894, 0.9095, 4.9261

Previews

White Background



This preview shows how the XYZ color 57.0884, 52.7548, 7.8356 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 57.0884, 52.7548, 7.8356 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 57.0884, 52.7548, 7.8356

Background



This preview shows how black text looks on a background with the XYZ color 57.0884, 52.7548, 7.8356.



This preview shows how white text looks on a background with the XYZ color 57.0884, 52.7548,

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

57.0884, 52.7548, 7.8356

Protanopia

47.8717, 52.9662, 8.6777

Deuteranopia

53.7505, 52.5347, 7.6239



Tritanopia

63.5647, 52.8906, 49.5065

Trichromacy



Original Color

57.0884, 52.7548, 7.8356

Protanomaly

50.8902, 52.5955, 8.3339

Deuteranomaly

54.7583, 52.4484, 7.6529

Tritanomaly

59.4437, 52.1455, 25.0212

Monochromacy



Original Color

57.0884, 52.7548, 7.8356

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.1909, 47.6279, 25.4975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0884, 52.7548, 7.8356 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, 177, 20)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 20)  
}
```

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, 177, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 20) }
```

Border

The CSS property to change the border of an element to XYZ 57.0884, 52.7548, 7.8356 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, 177, 20) }
```


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

```
.border{ border-color:rgb(255, 177, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0884, 52.7548, 7.8356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 20) }
```

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

```
.background{ background-color: rgb(255,  
177, 20) }
```

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