

Converting Colors

XYZ(57.0898, 52.0035, 10.1607)

Have a look what the booklet for
XYZ(57.0898, 52.0035, 10.1607)
contains.

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Color

**XYZ(57.1675, 52.1590,
10.1866)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAF33
RGB	255, 175, 51
RGB Percent	100%, 69%, 20%
CMY	0.0000, 0.3137, 0.8000
CMYK	0.00, 0.31, 0.80, 0.00
HSL	36°, 100%, 60%
HSV	36°, 80%, 100%
XYZ	57.1675, 52.1590, 10.1866
YIQ	184.7840, 87.4840, -21.6040

Conversions

Conversions Part 2

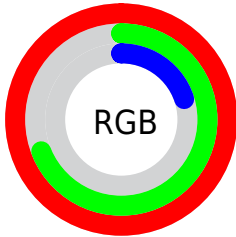
Format	Color
R_{YB}	183, 255, 51
Decimal	16756531
CIE _{Lab}	77.38, 19.58, 70.20
CIE _{LCh}	77, 72.878, 74.417
Yxy	52.1590, 0.4783, 0.4364
Android (android.graphics.Color)	4294946611 (0xFFFFAF33)
YUV	184.7840, -65.9555, 61.5794
Hunter-Lab	72.2212, 14.9066, 42.1921

Details

The XYZ color **57.1675, 52.1590, 10.1866** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **27.5311, 24.1555, 97.8184**, and the grayscale version is **46.3164, 48.7285, 53.0653**.

A 20% lighter version of the original color is **72.1907, 78.9152, 25.3372**, and **29.0753, 25.5034, 3.3902** is the 20% darker color. If you saturate the color by 10%, you get **54.8772, 48.2454, 7.3684**, and if you desaturate by 10%, it is **59.9121, 56.4893, 14.6756**.

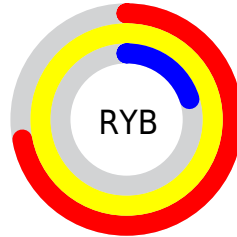
Distribution



Red (100%)

Green (69%)

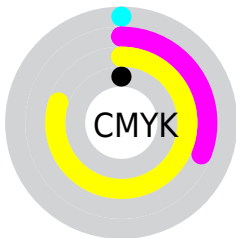
Blue (20%)



Red (72%)

Yellow (100%)

Blue (20%)

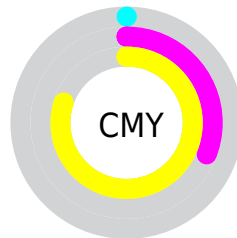


Cyan (0%)

Magenta (31%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.1675, 52.1590, 10.1866 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 57.1675, 52.1590, 10.1866 by changing the saturation by 10% instead.


 57.1675, 52.1590,
10.1866


 57.1675, 52.1590,
10.1866


404.0807,
395.0501, 202.5317

 41.3804, 37.1318,
5.4156


 99.8395, 93.3657,
26.7592


 28.8054, 25.3096,
2.4302


 127.4551,
120.3140, 39.3979

 19.0772, 16.3079,
0.8028


 159.7443,
152.0048, 55.4962

 11.8304, 9.7423,
0.0000

 197.0723,
188.8225, 75.4728

 6.6997, 5.2284,
0.0000

 239.8046,
231.1515, 99.7460

 3.3197, 2.3819,
0.0000

 288.3066,

 1.3250, 0.8165,

279.3762, 128.7346

0.0000

342.9435,
333.8809, 162.8570

■ 0.2018, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1675, 52.1590,
10.1866

■ 57.1675, 52.1590,
10.1866

■ 54.8772, 48.2454,
7.3684

■ 59.9121, 56.4893,
14.6756

■ 52.9625, 44.7055,
5.8377

■ 63.1545, 61.2520,
21.0657

■ 52.9622, 44.7048,
5.8375

■ 66.9359, 66.4703,
29.5536

■ 71.2912, 72.1628,
40.3102

■ 76.2523, 78.3467,
53.4888

■ 81.8482, 85.0377,
69.2293

■ 88.1059, 92.2510,
87.6607

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.



71.4059, 52.1590, 18.1089



57.1675, 52.1590, 10.1866



43.1682, 52.1590, 10.0580

Triad

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



57.1675, 52.1590, 10.1866



27.8000, 52.1590, 78.2408



70.9129, 52.1590, 131.6126

Complementary

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



57.1675, 52.1590, 10.1866



27.5311, 24.1555, 97.8184

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.



56.5875, 52.1590, 169.0253



57.1675, 52.1590, 10.1866



32.7207, 52.1590, 129.6791

Square

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



57.1675, 52.1590, 10.1866



27.8965, 52.1590, 38.4910



42.6874, 52.1590, 168.1864



80.3035, 52.1590, 80.1325

Rectangle

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



57.1675, 52.1590, 10.1866



35.8589, 52.1590, 13.9696



42.6874, 52.1590, 168.1864



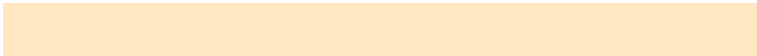
66.4079, 52.1590, 147.1349

Sweetspot

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



57.1687, 52.1616, 10.1876



79.5316, 82.2989, 62.6148



46.6299, 25.3104, 24.4742



16.6002, 17.1082, 12.2177



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.



57.1687, 52.1616, 10.1876



53.6953, 46.0811, 6.3574



70.4862, 89.3525, 16.6642



18.9283, 19.8248, 18.9733



27.8237, 23.6586, 3.1001



2.8155, 2.5164, 0.3373

Inverse Universe

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



27.5311, 24.1555, 97.8184



23.3516, 17.6337, 96.7806



21.8621, 10.9429, 95.5669



17.5872, 18.5461, 22.9028



11.9472, 8.8040, 50.5042



1.2659, 1.0625, 4.9516

Previews

White Background



This preview shows how the XYZ color 57.1675, 52.1590, 10.1866 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 57.1675, 52.1590, 10.1866 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 57.1675, 52.1590, 10.1866

Background



This preview shows how black text looks on a background with the XYZ color 57.1675, 52.1590, 10.1866.



This preview shows how white text looks on a background with the XYZ color 57.1675, 52.1590,

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

57.1675, 52.1590, 10.1866

Protanopia

47.5636, 52.4222, 11.2261

Deuteranopia

53.5371, 52.3701, 10.0830



Tritanopia

63.0946, 52.1118, 48.8526

Trichromacy



Original Color

57.1675, 52.1590, 10.1866

Protanomaly

50.8579, 52.2071, 10.8865

Deuteranomaly

54.6805, 52.0548, 10.0713

Tritanomaly

59.7796, 51.6754, 28.6534

Monochromacy



Original Color

57.1675, 52.1590, 10.1866

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.5461, 48.5270, 30.1532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1675, 52.1590, 10.1866 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, 175, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 51)  
}
```

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, 175, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 51) }
```

Border

The CSS property to change the border of an element to XYZ 57.1675, 52.1590, 10.1866 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, 175, 51) }
```


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

```
.border{ border-color:rgb(255, 175, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1675, 52.1590, 10.1866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 51) }
```

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

```
.background{ background-color: rgb(255,  
175, 51) }
```

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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