

Converting Colors

XYZ(67.7755, 58.2923, 11.7997)

Have a look what the booklet for
XYZ(67.7755, 58.2923, 11.7997)
contains.

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Color

**XYZ(57.7516, 53.0200,
11.3277)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB13B
RGB	255, 177, 59
RGB Percent	100%, 69%, 23%
CMY	0.0000, 0.3059, 0.7686
CMYK	0.00, 0.31, 0.77, 0.00
HSL	36°, 100%, 62%
HSV	36°, 77%, 100%
XYZ	57.7516, 53.0200, 11.3277
YIQ	186.8700, 84.3660, -20.1620

Conversions

Conversions Part 2

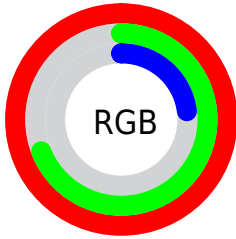
Format	Color
RYB	189, 255, 59
Decimal	16757051
CIELab	77.89, 18.81, 67.81
CIELCh	78, 70.370, 74.498
Yxy	53.0200, 0.4730, 0.4342
Android (android.graphics.Color)	4294947131 (0xFFFFB13B)
YUV	186.8700, -63.0399, 59.7500
Hunter-Lab	72.8148, 14.1477, 41.7467

Details

The XYZ color **57.7516, 53.0200, 11.3277** 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 **28.7989, 26.0402, 98.1157**, and the grayscale version is **47.4731, 49.9454, 54.3905**.

A 20% lighter version of the original color is **73.4162, 80.7527, 27.6370**, and **29.2000, 25.7528, 3.4318** is the 20% darker color. If you saturate the color by 10%, you get **55.3144, 48.9586, 8.0107**, and if you desaturate by 10%, it is **60.6629, 57.5140, 16.3954**.

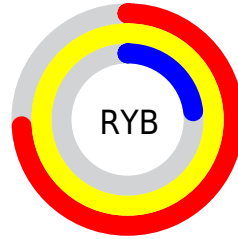
Distribution



Red (100%)

Green (69%)

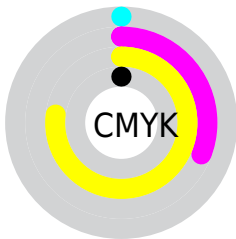
Blue (23%)



Red (74%)

Yellow (100%)

Blue (23%)

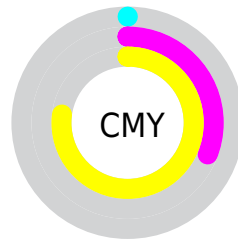


Cyan (0%)

Magenta (31%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7516, 53.0200, 11.3277 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 57.7516, 53.0200, 11.3277 by changing the saturation by 10% instead.


 57.7516, 53.0200,
11.3277


 57.7516, 53.0200,
11.3277


406.2285,
398.3618, 210.7197


 41.8515, 37.8187,
6.1708


 100.6861, 94.6338,
28.9104

 29.1756, 25.8420,
2.8787


 128.4512,
121.8151, 42.1733


 19.3587, 16.7055,
1.0330


 160.9019,
153.7586, 58.9752

 12.0353, 10.0247,
0.0000

 198.4037,
190.8486, 79.7347

 6.8401, 5.4154,
0.0000

 241.3219,
233.4695, 104.8704

 3.4077, 2.4930,
0.0000

290.0219,

 1.3729, 0.8731,

282.0058, 134.8008

0.0000

344.8690,
336.8418, 169.9443

■ 0.2368, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7516, 53.0200,
11.3277

■ 57.7516, 53.0200,
11.3277

■ 55.3144, 48.9586,
8.0107

■ 60.6629, 57.5140,
16.3954

■ 53.2920, 45.2942,
6.1637

■ 64.0892, 62.4552,
23.4301

■ 52.7175, 44.2154,
5.7559

■ 68.0702, 67.8666,
32.6199

■ 72.6398, 73.7666,
44.1298

■ 77.8291, 80.1719,
58.1083

■ 83.6664, 87.0986,
74.6917

■ 90.1784, 94.5615,
94.0063

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



71.5667, 53.0200, 19.4060



57.7516, 53.0200, 11.3277



44.0949, 53.0200, 11.2129

Triad

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



57.7516, 53.0200, 11.3277



28.9868, 53.0200, 78.7041



71.1561, 53.0200, 129.8033

Complementary

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



57.7516, 53.0200, 11.3277



28.7989, 26.0402, 98.1157

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.



57.2660, 53.0200, 165.6028



57.7516, 53.0200, 11.3277



33.8725, 53.0200, 128.2097

Square

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



57.7516, 53.0200, 11.3277



29.0693, 53.0200, 39.8549



43.6893, 53.0200, 164.9148



80.2080, 53.0200, 80.2804

Rectangle

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



57.7516, 53.0200, 11.3277



36.9228, 53.0200, 15.2565



43.6893, 53.0200, 164.9148



66.7979, 53.0200, 144.6634

Sweetspot

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



57.7528, 53.0227, 11.3287



80.0051, 82.7842, 64.1959



47.3482, 26.2059, 26.3811



16.6881, 17.1957, 12.5190



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.



57.7528, 53.0227, 11.3287



54.2278, 47.0279, 6.8998



70.9425, 89.5658, 17.6871



18.9192, 19.8066, 18.9702



27.6962, 23.4036, 3.0576



2.8035, 2.4924, 0.3333

Inverse Universe

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



28.7989, 26.0402, 98.1157



24.3364, 19.3523, 97.0604



22.8056, 11.9936, 95.7203



17.5961, 18.5638, 22.9057



12.0231, 8.9559, 50.5295



1.2739, 1.0784, 4.9543

Previews

White Background



This preview shows how the XYZ color 57.7516, 53.0200, 11.3277 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 57.7516, 53.0200, 11.3277 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 57.7516, 53.0200, 11.3277

Background



This preview shows how black text looks on a background with the XYZ color 57.7516, 53.0200, 11.3277.



This preview shows how white text looks on a background with the XYZ color 57.7516, 53.0200,

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

57.7516, 53.0200, 11.3277

Protanopia

48.2861, 53.0977, 12.4066

Deuteranopia

54.2900, 53.0396, 11.2472



Tritanopia

63.6662, 52.9312, 50.0412

Trichromacy



Original Color

57.7516, 53.0200, 11.3277

Protanomaly

51.2730, 52.7114, 12.0294

Deuteranomaly

55.6454, 53.1274, 11.3248

Tritanomaly

60.4365, 52.5426, 30.2489

Monochromacy



Original Color

57.7516, 53.0200, 11.3277

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.8185, 49.7575, 31.8421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7516, 53.0200, 11.3277 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 59) }
```

Border

The CSS property to change the border of an element to XYZ 57.7516, 53.0200, 11.3277 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, 59) }
```


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

```
.border{ border-color:rgb(255, 177, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7516, 53.0200, 11.3277 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, 59) }
```

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

```
.background{ background-color: rgb(255,  
177, 59) }
```

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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