

Converting Colors

XYZ(60.5255, 51.5318, 12.0675)

Have a look what the booklet for
XYZ(60.5255, 51.5318, 12.0675)
contains.

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Color

**XYZ(56.0718, 49.3027,
11.8713)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA743
RGB	255, 167, 67
RGB Percent	100%, 65%, 26%
CMY	0.0000, 0.3451, 0.7372
CMYK	0.00, 0.35, 0.74, 0.00
HSL	32°, 100%, 63%
HSV	32°, 74%, 100%
XYZ	56.0718, 49.3027, 11.8713
YIQ	181.9120, 84.5480, -12.4440

Conversions

Conversions Part 2

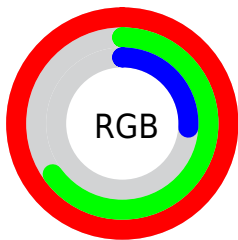
Format	Color
RYB	232, 255, 67
Decimal	16754499
CIELab	75.64, 24.35, 62.45
CIElCh	76, 67.032, 68.701
Yxy	49.3027, 0.4782, 0.4205
Android (android.graphics.Color)	4294944579 (0xFFFFA743)
YUV	181.9120, -56.6516, 64.0982
Hunter-Lab	70.2159, 19.6657, 39.1270

Details

The XYZ color **56.0718, 49.3027, 11.8713** 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 **32.0853, 31.8544, 99.0644**, and the grayscale version is **44.6833, 47.0103, 51.1942**.

A 20% lighter version of the original color is **70.7514, 74.8586, 28.4895**, and **28.1285, 23.6011, 3.1017** is the 20% darker color. If you saturate the color by 10%, you get **53.3821, 44.8901, 7.9953**, and if you desaturate by 10%, it is **59.3021, 54.2586, 17.5883**.

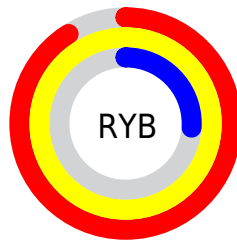
Distribution



Red (100%)

Green (65%)

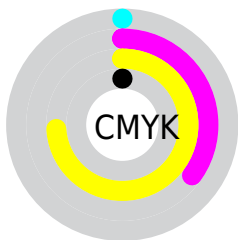
Blue (26%)



Red (91%)

Yellow (100%)

Blue (26%)

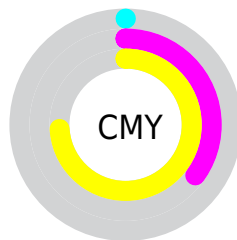


Cyan (0%)

Magenta (35%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0718, 49.3027, 11.8713 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 56.0718, 49.3027, 11.8713 by changing the saturation by 10% instead.

56.0718, 49.3027,
11.8713

56.0718, 49.3027,
11.8713

400.0327,
383.9328, 214.4990

40.4977, 34.8597,
6.5346

98.2488, 89.1409,
29.9214

28.1128, 23.5548,
3.0988

125.5823,
115.3048, 43.4718

18.5516, 15.0037,
1.1453

157.5665,
146.1444, 60.5973

11.4488, 8.8220,
0.0000

194.5665,
182.0442, 81.7164

6.4391, 4.6252,
0.0000

236.9478,
223.3886, 107.2475

3.1570, 2.0291,
0.0000

285.0756,

1.2373, 0.6243,

270.5619, 137.6093

0.0000

339.3155,
323.9485, 173.2203

■ 0.1355, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.0718, 49.3027,
11.8713

■ 56.0718, 49.3027,
11.8713

■ 53.3821, 44.8901,
7.9953

■ 59.3021, 54.2586,
17.5883

■ 51.1762, 40.9833,
5.7036

■ 63.1140, 59.7763,
25.3520

■ 49.9941, 38.7687,
4.8481

■ 67.5476, 65.8819,
35.3432

■ 72.6378, 72.5974,
47.7219

■ 78.4165, 79.9428,
62.6331

■ 84.9133, 87.9374,
80.2103

■ 92.1560, 96.5993,
100.5775

■ 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.



68.0541, 49.3027, 21.2921



56.0718, 49.3027, 11.8713



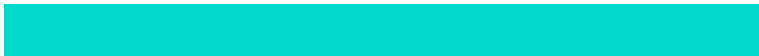
43.3437, 49.3027, 10.5080

Triad

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



56.0718, 49.3027, 11.8713



27.0129, 49.3027, 64.6955



63.4162, 49.3027, 126.6084

Complementary

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



56.0718, 49.3027, 11.8713



32.0853, 31.8544, 99.0644

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.



50.5631, 49.3027, 153.5047



56.0718, 49.3027, 11.8713



30.5990, 49.3027, 108.7370

Square

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



56.0718, 49.3027, 11.8713



27.9623, 49.3027, 32.4920



38.7181, 49.3027, 145.8186



72.7880, 49.3027, 82.5219

Rectangle

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



56.0718, 49.3027, 11.8713



36.3121, 49.3027, 13.2872



38.7181, 49.3027, 145.8186



59.2768, 49.3027, 138.6817

Sweetspot

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



56.0729, 49.3052, 11.8722



79.4852, 81.2750, 65.4703



49.4072, 27.7386, 35.0382



16.6556, 16.9498, 13.0660



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.



56.0729, 49.3052, 11.8722



52.3835, 43.1597, 6.8386



76.8692, 92.5951, 19.1319



18.8094, 19.5871, 18.9336



26.2742, 20.5596, 2.5836



2.6676, 2.2206, 0.2880

Inverse Universe

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



32.0853, 31.8544, 99.0644



27.3554, 25.0096, 97.9933



22.5929, 12.5418, 95.8370



17.7039, 18.7795, 22.9417



13.0469, 11.0034, 50.8708



1.3785, 1.2877, 4.9892

Previews

White Background



This preview shows how the XYZ color 56.0718, 49.3027, 11.8713 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 56.0718, 49.3027, 11.8713 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 56.0718, 49.3027, 11.8713

Background



This preview shows how black text looks on a background with the XYZ color 56.0718, 49.3027, 11.8713.



This preview shows how white text looks on a background with the XYZ color 56.0718, 49.3027,

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

56.0718, 49.3027, 11.8713

Protanopia

44.9853, 49.4316, 13.4736

Deuteranopia

50.2518, 49.1381, 11.6865



Tritanopia

61.0665, 49.3039, 44.3283

Trichromacy



Original Color

56.0718, 49.3027, 11.8713

Protanomaly

48.5099, 49.1050, 12.8827

Deuteranomaly

52.1733, 48.9696, 11.7033

Tritanomaly

58.5708, 49.1478, 28.5898

Monochromacy



Original Color

56.0718, 49.3027, 11.8713

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.7503, 46.8930, 31.3982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0718, 49.3027, 11.8713 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, 167, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 67)  
}
```

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, 167, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 67) }
```

Border

The CSS property to change the border of an element to XYZ 56.0718, 49.3027, 11.8713 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, 167, 67) }
```


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

```
.border{ border-color:rgb(255, 167, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 167, 67); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 167, 67); box-shadow:4px 4px 4px 4px rgb(255, 167, 67) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0718, 49.3027, 11.8713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 67) }
```

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

```
.background{ background-color: rgb(255,  
167, 67) }
```

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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