

Converting Colors

XYZ(27.5359, 38.4947, 11.5930)

Have a look what the booklet for
XYZ(27.5359, 38.4947, 11.5930)
contains.

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Color

**XYZ(27.5897, 38.6283,
11.6321)**

Conversions

Conversions Part 1	
Format	Color
Hex	87B545
RGB	135, 181, 69
RGB Percent	53%, 71%, 27%
CMY	0.4706, 0.2902, 0.7294
CMYK	0.25, 0.00, 0.62, 0.29
HSL	85°, 45%, 49%
HSV	85°, 62%, 71%
XYZ	27.5897, 38.6283, 11.6321
YIQ	154.4780, 8.5360, -44.5840

Conversions

Conversions Part 2

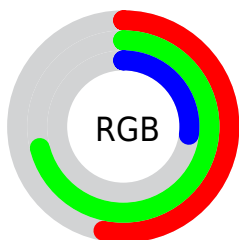
Format	Color
RYB	69, 181, 115
Decimal	8893765
CIELab	68.48, -33.08, 50.76
CIELCh	68, 60.588, 123.096
Yxy	38.6283, 0.3544, 0.4962
Android (android.graphics.Color)	4287083845 (0xFF87B545)
YUV	154.4780, -42.1407, -17.0822
Hunter-Lab	62.1517, -29.5276, 32.4096

Details

The XYZ color **27.5897, 38.6283, 11.6321** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.5405, 11.2384, 44.9630**, and the grayscale version is **31.1034, 32.7232, 35.6356**.

A 20% lighter version of the original color is **55.2829, 73.0499, 29.5987**, and **11.1673, 17.2096, 3.0204** is the 20% darker color. If you saturate the color by 10%, you get **25.9569, 37.8431, 9.0571**, and if you desaturate by 10%, it is **29.4793, 39.5285, 15.1151**.

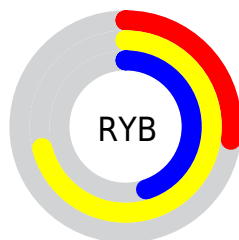
Distribution



Red (53%)

Green (71%)

Blue (27%)



Red (27%)

Yellow (71%)

Blue (45%)

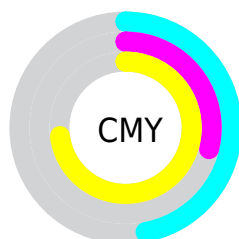


Cyan (25%)

Magenta (0%)

Yellow (62%)

Black (29%)



Cyan (47%)


Magenta (29%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5897, 38.6283, 11.6321 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 27.5897, 38.6283, 11.6321 by changing the saturation by 10% instead.


 27.5897, 38.6283,
11.6321


 27.5897, 38.6283,
11.6321


282.6169,
340.3076, 212.8450


 18.1555, 26.4707,
6.3742


 55.2419, 73.0701,
29.4776


 11.1620, 17.1761,
3.0015


 74.1907, 96.1232,
42.9022


 6.2440, 10.3601,
1.0954


 97.0416, 123.5768,
59.8862

 3.0361, 5.6384,
0.0000

 124.1601,
155.8154, 80.8480

 1.1729, 2.6265,
0.0000

 155.9115,
193.2234, 106.2063

 0.0848, 0.9400,
0.0000

192.6612,

 0.0000, 0.0000,

236.1851, 136.3795

0.0000

234.7746,
285.0851, 171.7862

■ 27.5897, 38.6283,
11.6321

■ 27.5897, 38.6283,
11.6321

■ 25.9569, 37.8431,
9.0571

■ 29.4793, 39.5285,
15.1151

■ 24.5603, 37.1605,
7.3026

■ 31.6386, 40.5452,
19.5782


■ 23.3798, 36.5736,
6.2681


■ 34.0830, 41.6858,
25.0888


■ 22.5469, 36.1540,
5.7901


■ 36.8254, 42.9559,
31.7080

■ 39.8780, 44.3605,
39.4919

 43.2524, 45.9043,
48.4931

 46.9591, 47.5918,
58.7605

 51.0086, 49.4272,
70.3409

 55.4105, 51.4147,
83.2783

Harmonies

Analogous

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



35.7342, 38.6283, 8.4051



27.5897, 38.6283, 11.6321



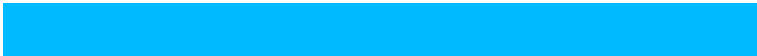
22.6771, 38.6283, 22.4997

Triad

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



27.5897, 38.6283, 11.6321



29.0310, 38.6283, 108.3728



58.2235, 38.6283, 39.2884

Complementary

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



27.5897, 38.6283, 11.6321



17.5405, 11.2384, 44.9630

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.



55.6027, 38.6283, 70.5601



27.5897, 38.6283, 11.6321



37.7137, 38.6283, 119.2508

Square

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



27.5897, 38.6283, 11.6321



23.4025, 38.6283, 77.7211



47.6587, 38.6283, 103.1323



54.3077, 38.6283, 19.4170

Rectangle

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



27.5897, 38.6283, 11.6321



21.3612, 38.6283, 36.0606



47.6587, 38.6283, 103.1323



58.0792, 38.6283, 48.6897

Sweetspot

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



27.5906, 38.6300, 11.6329



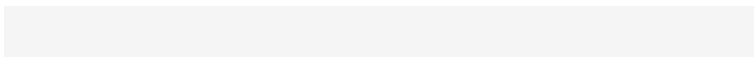
67.2961, 77.5500, 60.1519



26.1265, 22.2443, 8.5473



14.2253, 16.6138, 12.2017



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.5906, 38.6300, 11.6329



45.6002, 67.3421, 15.0093



20.9245, 35.1935, 11.3210



8.8528, 9.7292, 9.0639



15.6228, 24.9639, 3.9951



0.5558, 0.8186, 0.1287

Inverse Universe

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



17.5405, 11.2384, 44.9630



26.1695, 14.2422, 79.6643



27.0045, 16.1172, 45.4059



8.3616, 8.3949, 10.6860



7.7898, 3.3516, 30.3733



0.3121, 0.1400, 0.9588

Previews

White Background



This preview shows how the XYZ color 27.5897, 38.6283, 11.6321 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 27.5897, 38.6283, 11.6321 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 27.5897, 38.6283, 11.6321

Background



This preview shows how black text looks on a background with the XYZ color 27.5897, 38.6283, 11.6321.



This preview shows how white text looks on a background with the XYZ color 27.5897, 38.6283,

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

27.5897, 38.6283, 11.6321

Protanopia

35.0226, 38.4582, 10.5783

Deuteranopia

38.9850, 38.0973, 12.1363



Tritanopia

35.4996, 38.6524, 50.3894

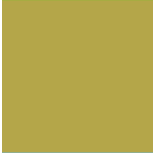
Trichromacy



Original Color
27.5897, 38.6283, 11.6321



Protanomaly
31.6722, 38.1139, 10.8417



Deuteranomaly
33.6612, 37.4568, 11.7591

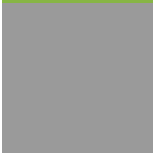


Tritanomaly
31.6956, 38.2448, 31.3026

Monochromacy



Original Color
27.5897, 38.6283, 11.6321



Achromatopsia
30.7148, 32.3143, 35.1903



Achromatomaly
28.8832, 34.1840, 23.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5897, 38.6283, 11.6321 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(135, 181, 69)` looks like.

```
.text, #text, p{  
    color:rgb(135, 181, 69)  
}
```

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(135, 181, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 181, 69) }
```

Border

The CSS property to change the border of an element to XYZ 27.5897, 38.6283, 11.6321 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(135, 181, 69) }
```


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

```
.border{ border-color:rgb(135, 181, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 181, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 181, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 181, 69);  
box-shadow:4px 4px 4px 4px rgb(135, 181,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5897, 38.6283, 11.6321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 181, 69) }
```

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

```
.background{ background-color: rgb(135,  
181, 69) }
```

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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