

Converting Colors

XYZ(27.6806, 47.6308, 13.4634)

Have a look what the booklet for
XYZ(27.6806, 47.6308, 13.4634)
contains.

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Color

**XYZ(27.6859, 47.6287,
13.5284)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 58D046 |
| RGB | 88, 208, 70 |
| RGB Percent | 35%, 82%, 27% |
| CMY | 0.6549, 0.1843, 0.7255 |
| CMYK | 0.58, 0.00, 0.66, 0.18 |
| HSL | 112°, 59%, 55% |
| HSV | 112°, 66%, 82% |
| XYZ | 27.6859, 47.6287, 13.5284 |
| YIQ | 156.3880, -27.2220, -68.3580 |

Conversions

Conversions Part 2

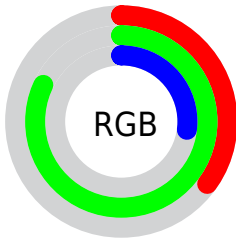
| Format | Color |
|-------------------------------------|--|
| RYB | 70, 208, 190 |
| Decimal | 5820486 |
| CIELab | 74.59, -59.03, 56.39 |
| CIELCh | 75, 81.637, 136.310 |
| Yxy | 47.6287, 0.3116, 0.5361 |
| Android (android.graphics.Color) | 4284010566 (0xFF58D046) |
| YUV | 156.3880, -42.5893, -59.9763 |
| Hunter-Lab | 69.0135, -49.1656, 36.6871 |

Details

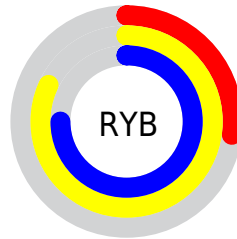
The XYZ color **27.6859, 47.6287, 13.5284** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **34.8133, 19.8833, 61.6801**, and the grayscale version is **31.9679, 33.6327, 36.6260**.

A 20% lighter version of the original color is **51.7925, 79.3648, 31.6580**, and **11.2337, 22.4587, 3.7716** is the 20% darker color. If you saturate the color by 10%, you get **25.6350, 46.6360, 10.5789**, and if you desaturate by 10%, it is **30.3911, 48.9353, 17.6971**.

Distribution



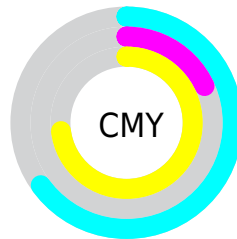
- Red (35%)
- Green (82%)
- Blue (27%)



- Red (27%)
- Yellow (82%)
- Blue (75%)



- Cyan (58%)
- Magenta (0%)
- Yellow (66%)
- Black (18%)





- Cyan (65%)
- Magenta (18%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6859, 47.6287, 13.5284 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 27.6859, 47.6287, 13.5284 by changing the saturation by 10% instead.


 27.6859, 47.6287,
13.5284


 27.6859, 47.6287,
13.5284


283.0703,
377.3185, 225.6024


 18.2283, 33.5329,
7.6584


 55.3947, 86.6513,
32.9549


 11.2147, 22.5350,
3.7925


 74.3766, 112.3470,
47.3484


 6.2798, 14.2506,
1.5122


 97.2640, 142.6780,
65.4203

 3.0582, 8.2951,
0.2270

 124.4222,
178.0289, 87.5889

 1.1846, 4.2844,
0.0000

 156.2166,
218.7840, 114.2729

 0.0942, 1.8339,
0.0000

193.0125,

 0.0000, 0.5082,

265.3277, 145.8908

0.0000

235.1753,
318.0444, 182.8611

■ 0.0000, 0.0000,
0.0000

■ 27.6859, 47.6287,
13.5284

■ 27.6859, 47.6287,
13.5284

■ 25.6350, 46.6360,
10.5789

■ 30.3911, 48.9353,
17.6971

■ 24.1785, 45.9249,
8.7142

■ 33.7972, 50.5730,
23.1945

■ 23.2496, 45.4660,
7.7688

■ 37.9502, 52.5650,
30.1215

■ 23.0122, 45.3484,
7.5403

■ 42.8913, 54.9304,
38.5683

■ 48.6587, 57.6871,
48.6178

■ 55.2878, 60.8518,
60.3469

■ 62.8124, 64.4403,
73.8275

■ 71.2641, 68.4674,
89.1272

■ 80.3154, 72.8043,
104.4273

Harmonies

Analogous

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



37.7547, 47.6287, 6.4188



27.6859, 47.6287, 13.5284



22.9070, 47.6287, 34.8969

Triad

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



27.6859, 47.6287, 13.5284



38.8768, 47.6287, 177.7807



78.3545, 47.6287, 32.2108

Complementary

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



27.6859, 47.6287, 13.5284



34.8133, 19.8833, 61.6801

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.



78.8399, 47.6287, 73.5834



27.6859, 47.6287, 13.5284



53.7210, 47.6287, 175.6016

Square

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



27.6859, 47.6287, 13.5284



28.3527, 47.6287, 135.6819



69.0611, 47.6287, 130.7504



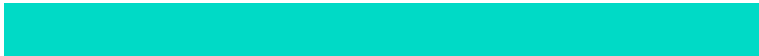
67.8515, 47.6287, 12.4830

Rectangle

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



27.6859, 47.6287, 13.5284



22.5063, 47.6287, 61.3204



69.0611, 47.6287, 130.7504



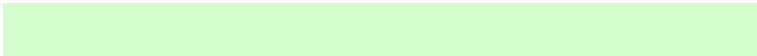
79.7621, 47.6287, 43.4256

Sweetspot

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



27.6870, 47.6307, 13.5295



73.4231, 89.6770, 70.5663



45.4470, 50.5084, 13.1489



15.1617, 18.9298, 14.1395



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.



27.6870, 47.6307, 13.5295



39.4670, 73.3620, 15.2121



28.5099, 47.7868, 25.6833



11.7976, 13.2791, 12.5534



14.3878, 28.2861, 4.7015



0.8526, 1.6064, 0.2651

Inverse Universe

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



34.8133, 19.8833, 61.6801



51.3549, 26.1467, 96.9478



34.3244, 20.2395, 34.1770



12.1528, 11.9276, 14.9054



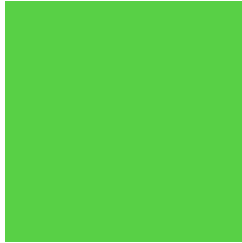
19.0127, 8.9817, 37.9241



1.1063, 0.5245, 2.1225

Previews

White Background



This preview shows how the XYZ color 27.6859, 47.6287, 13.5284 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 27.6859, 47.6287, 13.5284 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 27.6859, 47.6287, 13.5284

Background



This preview shows how black text looks on a background with the XYZ color 27.6859, 47.6287, 13.5284.



This preview shows how white text looks on a background with the XYZ color 27.6859, 47.6287,

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

27.6859, 47.6287, 13.5284

Protanopia

42.5270, 46.6521, 11.4660

Deuteranopia

47.4801, 46.4888, 14.2553



Tritanopia

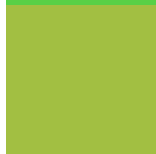
38.6192, 47.5349, 68.1125

Trichromacy



Original Color

27.6859, 47.6287, 13.5284



Protanomaly

34.5145, 45.3363, 12.0859



Deuteranomaly

36.5777, 44.7676, 13.7343



Tritanomaly

32.9757, 46.9376, 40.1227

Monochromacy



Original Color

27.6859, 47.6287, 13.5284



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.3917, 36.9659, 25.0408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6859, 47.6287, 13.5284 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(88, 208, 70)` looks like.

```
.text, #text, p{  
    color:rgb(88, 208, 70)  
}
```

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(88, 208, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 208, 70) }
```

Border

The CSS property to change the border of an element to XYZ 27.6859, 47.6287, 13.5284 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(88, 208, 70) }
```


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

```
.border{ border-color:rgb(88, 208, 70) }
```

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

Here you see how a box with a 4 pixel rgb(88, 208, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 208, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 208, 70);  
box-shadow:4px 4px 4px 4px rgb(88, 208,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6859, 47.6287, 13.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 208, 70) }
```

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

```
.background{ background-color: rgb(88, 208,  
70) }
```

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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