

Converting Colors

XYZ(27.2035, 42.8774, 27.2645)

Have a look what the booklet for
XYZ(27.2035, 42.8774, 27.2645)
contains.

XYZ(27.2035, 42.8774, 27.2645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.2035, 42.8774,
27.2645)**

Conversions

Conversions Part 1

Format	Color
Hex	53C480
RGB	83, 196, 128
RGB Percent	33%, 77%, 50%
CMY	0.6745, 0.2314, 0.4980
CMYK	0.58, 0.00, 0.35, 0.23
HSL	144°, 49%, 55%
HSV	144°, 58%, 77%
XYZ	27.2035, 42.8774, 27.2645
YIQ	154.4610, -45.5200, -45.1040

Conversions

Conversions Part 2

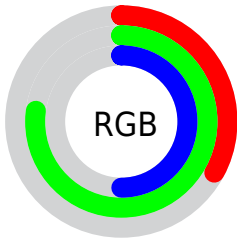
Format	Color
RYB	83, 164, 196
Decimal	5489792
CIELab	71.47, -47.53, 24.75
CIELCh	71, 53.586, 152.487
Yxy	42.8774, 0.2795, 0.4405
Android (android.graphics.Color)	4283679872 (0xFF53C480)
YUV	154.4610, -13.0453, -62.6713
Hunter-Lab	65.4808, -40.4350, 21.1498

Details

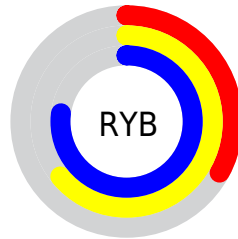
The XYZ color **27.2035, 42.8774, 27.2645** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.4455, 20.1575, 31.5130**, and the grayscale version is **30.9888, 32.6026, 35.5042**.

A 20% lighter version of the original color is **54.4503, 79.2495, 56.1429**, and **10.9125, 19.6063, 10.4170** is the 20% darker color. If you saturate the color by 10%, you get **24.9808, 41.8173, 23.3412**, and if you desaturate by 10%, it is **30.0074, 44.2291, 31.6881**.

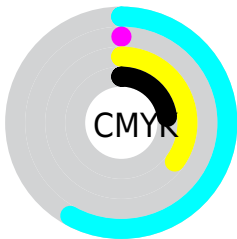
Distribution



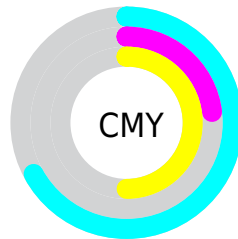
- Red (33%)
- Green (77%)
- Blue (50%)



- Red (33%)
- Yellow (64%)
- Blue (77%)



- Cyan (58%)
- Magenta (0%)
- Yellow (35%)
- Black (23%)





- Cyan (67%)
- Magenta (23%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2035, 42.8774, 27.2645 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 27.2035, 42.8774, 27.2645 by changing the saturation by 10% instead.


 27.2035, 42.8774,
27.2645


 27.2035, 42.8774,
27.2645


280.7907,
358.1073, 302.7361


 17.8635, 29.7889,
17.5378


 54.6278, 79.5258,
56.3169


 10.9511, 19.6784,
10.4527


 73.4429, 103.8546,
76.4797

 6.1010, 12.1615,
5.5906


 96.1470, 132.6989,
100.9582

 2.9479, 6.8538,
2.5330

 123.1055,
166.4431, 130.1710

 1.1262, 3.3708,
0.8576

154.6837,
205.4717, 164.5367

 0.0469, 1.3283,
0.0000

191.2471,

 0.0000, 0.1629,

250.1690, 204.4737

0.0000

233.1610,
300.9194, 250.4007

■ 0.0000, 0.0000,
0.0000

■ 27.2035, 42.8774,
27.2645

■ 27.2035, 42.8774,
27.2645

■ 24.9808, 41.8173,
23.3412

■ 30.0074, 44.2291,
31.6881

■ 23.2906, 41.0204,
19.8969

■ 33.4296, 45.8875,
36.6262

■ 22.0811, 40.4617,
16.9133

■ 37.5079, 47.8731,
42.0960

■ 21.2769, 40.1026,
14.3688

■ 42.2759, 50.2028,
48.1132

■ 21.1178, 40.0323,
13.8318

■ 47.7648, 52.8926,
54.6926

■ 54.0042, 55.9571,
61.8486

■ 61.0215, 59.4105,
69.5950

■ 68.8431, 63.2660,
77.9450

■ 75.8546, 66.6910,
86.8349

Harmonies

Analogous

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



32.1150, 42.8774, 16.0334



27.2035, 42.8774, 27.2645



25.7421, 42.8774, 48.8793

Triad

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



27.2035, 42.8774, 27.2645



41.5124, 42.8774, 116.1405



57.2381, 42.8774, 24.7337

Complementary

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



27.2035, 42.8774, 27.2645



31.4455, 20.1575, 31.5130

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.



60.6952, 42.8774, 44.5597



27.2035, 42.8774, 27.2645



50.8173, 42.8774, 102.5007

Square

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



27.2035, 42.8774, 27.2645



33.2422, 42.8774, 106.1922



58.1891, 42.8774, 73.6543



49.3191, 42.8774, 14.9974

Rectangle

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



27.2035, 42.8774, 27.2645



26.7146, 42.8774, 68.4238



58.1891, 42.8774, 73.6543



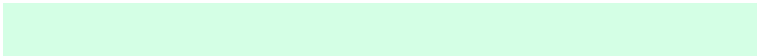
59.0094, 42.8774, 30.1219

Sweetspot

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



27.2046, 42.8791, 27.2655



76.9413, 91.1174, 87.5973



34.3799, 46.8479, 15.4145



16.0669, 19.3063, 18.2541



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.



27.2046, 42.8791, 27.2655



44.4228, 75.3581, 40.6874



31.8367, 44.7320, 51.6578



10.1069, 11.3238, 11.5661



13.6085, 25.7375, 9.0973



0.6220, 1.1256, 0.5721

Inverse Universe

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



31.4455, 20.1575, 31.5130



52.7894, 30.3591, 48.9390



27.9792, 18.7710, 13.2596



10.3219, 10.1774, 11.7859



16.7700, 8.3978, 11.9670



0.7578, 0.3761, 0.6921

Previews

White Background



This preview shows how the XYZ color 27.2035, 42.8774, 27.2645 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 27.2035, 42.8774, 27.2645 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

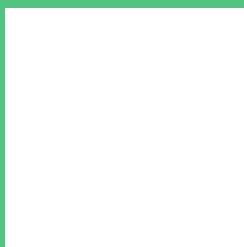
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2035, 42.8774, 27.2645

Background



This preview shows how black text looks on a background with the XYZ color 27.2035, 42.8774, 27.2645.



This preview shows how white text looks on a background with the XYZ color 27.2035, 42.8774,

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

27.2035, 42.8774, 27.2645

Protanopia

39.2049, 42.2954, 23.5503

Deuteranopia

43.0937, 42.2241, 28.8004



Tritanopia

34.1399, 42.7480, 62.3289

Trichromacy



Original Color

27.2035, 42.8774, 27.2645



Protanomaly

32.8185, 41.3451, 24.6630



Deuteranomaly

34.5825, 40.9803, 27.9171



Tritanomaly

30.9752, 42.4089, 47.1106

Monochromacy



Original Color

27.2035, 42.8774, 27.2645



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.2009, 35.0095, 32.0592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2035, 42.8774, 27.2645 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(83, 196, 128)` looks like.

```
.text, #text, p{  
    color:rgb(83, 196, 128)  
}
```

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(83, 196, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 196, 128) }
```

Border

The CSS property to change the border of an element to XYZ 27.2035, 42.8774, 27.2645 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(83, 196, 128) }
```


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

```
.border{ border-color:rgb(83, 196, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 196, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 196, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 196, 128);  
box-shadow:4px 4px 4px 4px rgb(83, 196,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2035, 42.8774, 27.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 196, 128) }
```

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

```
.background{ background-color: rgb(83, 196,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor