

Converting Colors

XYZ(27.1836, 42.5410, 26.8572)

Have a look what the booklet for
XYZ(27.1836, 42.5410, 26.8572)
contains.

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Color

**XYZ(27.1836, 42.5410,
26.8572)**

Conversions

Conversions Part 1

Format	Color
Hex	56C37F
RGB	86, 195, 127
RGB Percent	34%, 76%, 50%
CMY	0.6627, 0.2353, 0.5020
CMYK	0.56, 0.00, 0.35, 0.24
HSL	143°, 48%, 55%
HSV	143°, 56%, 76%
XYZ	27.1836, 42.5410, 26.8572
YIQ	154.6570, -43.1360, -44.2560

Conversions

Conversions Part 2

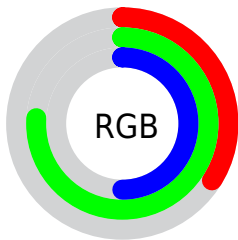
Format	Color
RYB	86, 165, 195
Decimal	5686143
CIELab	71.24, -46.62, 24.99
CIELCh	71, 52.893, 151.807
Yxy	42.5410, 0.2815, 0.4405
Android (android.graphics.Color)	4283876223 (0xFF56C37F)
YUV	154.6570, -13.6349, -60.2122
Hunter-Lab	65.2235, -39.7465, 21.2425

Details

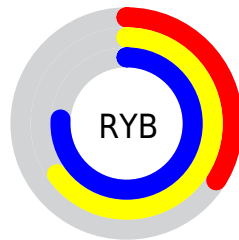
The XYZ color **27.1836, 42.5410, 26.8572** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.6675, 20.5915, 32.8786**, and the grayscale version is **31.0770, 32.6954, 35.6053**.

A 20% lighter version of the original color is **54.5502, 78.8454, 55.5236**, and **10.8836, 19.3776, 10.1878** is the 20% darker color. If you saturate the color by 10%, you get **24.8817, 41.4417, 22.8581**, and if you desaturate by 10%, it is **30.0732, 43.9346, 31.3855**.

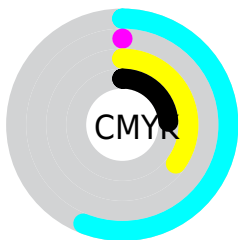
Distribution



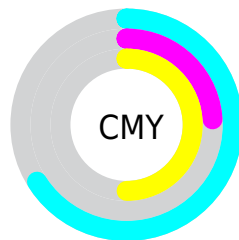
- Red (34%)
- Green (76%)
- Blue (50%)



- Red (34%)
- Yellow (65%)
- Blue (76%)



- Cyan (56%)
- Magenta (0%)
- Yellow (35%)
- Black (24%)





- Cyan (66%)
- Magenta (24%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1836, 42.5410, 26.8572 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 27.1836, 42.5410, 26.8572 by changing the saturation by 10% instead.


 27.1836, 42.5410,
26.8572


 27.1836, 42.5410,
26.8572


280.6963,
356.7207, 300.7033


 17.8485, 29.5251,
17.2345


 54.5962, 79.0178,
55.6556


 10.9403, 19.4784,
10.2381


 73.4043, 103.2474,
75.6684

 6.0937, 12.0165,
5.4495


 96.1008, 131.9839,
99.9816

 2.9433, 6.7549,
2.4500

 123.0510,
165.6114, 129.0138

 1.1239, 3.3093,
0.8135

154.6203,
204.5145, 163.1835

 0.0449, 1.2953,
0.0000

191.1741,

 0.0000, 0.1375,

249.0774, 202.9093

0.0000

233.0776,
299.6847, 248.6098

■ 0.0000, 0.0000,
0.0000

■ 27.1836, 42.5410,
26.8572

■ 27.1836, 42.5410,
26.8572

■ 24.8817, 41.4417,
22.8581

■ 30.0732, 43.9346,
31.3855

■ 23.1200, 40.6089,
19.3654

■ 33.5867, 45.6372,
36.4587

■ 21.8484, 40.0186,
16.3590

■ 37.7611, 47.6688,
42.0956

■ 21.0035, 39.6385,
13.8159

■ 42.6295, 50.0460,
48.3130

■ 20.7302, 39.5176,
12.8994

■ 48.2229, 52.7844,
55.1271

■ 54.5701, 55.8987,
62.5535

■ 61.6985, 59.4027,
70.6070

■ 69.6340, 63.3093,
79.3022

■ 75.9676, 66.3766,
88.5390

Harmonies

Analogous

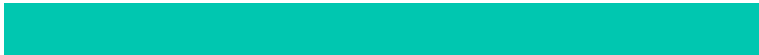
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0917, 42.5410, 15.9673



27.1836, 42.5410, 26.8572



25.6658, 42.5410, 47.8775

Triad

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



27.1836, 42.5410, 26.8572



40.9742, 42.5410, 114.3352



56.7358, 42.5410, 25.0444

Complementary

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



27.1836, 42.5410, 26.8572



31.6675, 20.5915, 32.8786

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.



59.9970, 42.5410, 44.7965



27.1836, 42.5410, 26.8572



50.1095, 42.5410, 101.4911

Square

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



27.1836, 42.5410, 26.8572



32.8969, 42.5410, 104.1119



57.4126, 42.5410, 73.4531



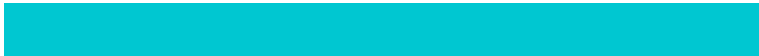
49.0423, 42.5410, 15.2219

Rectangle

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



27.1836, 42.5410, 26.8572



26.5717, 42.5410, 66.9457



57.4126, 42.5410, 73.4531



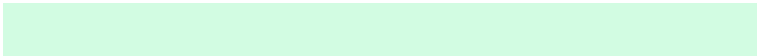
58.4335, 42.5410, 30.4362

Sweetspot

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



27.1847, 42.5427, 26.8582



75.0807, 89.0103, 84.9424



34.7202, 46.6759, 15.9837



16.0355, 19.2938, 18.0892



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.



27.1847, 42.5427, 26.8582



43.8075, 73.8613, 39.5229



31.6400, 44.3249, 50.3195



10.0976, 11.3201, 11.5175



13.5108, 25.6984, 8.5827



0.6173, 1.1238, 0.5474

Inverse Universe

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



31.6675, 20.5915, 32.8786



52.5916, 30.6801, 51.1963



28.1608, 19.1888, 14.4123



10.3314, 10.1812, 11.8359



16.9385, 8.4652, 12.8542



0.7644, 0.3788, 0.7269

Previews

White Background



This preview shows how the XYZ color 27.1836, 42.5410, 26.8572 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 27.1836, 42.5410, 26.8572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

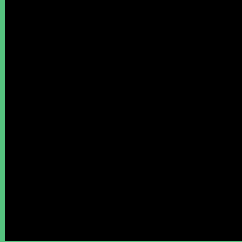
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.1836, 42.5410, 26.8572

Background



This preview shows how black text looks on a background with the XYZ color 27.1836, 42.5410, 26.8572.

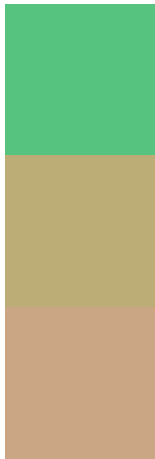


This preview shows how white text looks on a background with the XYZ color 27.1836, 42.5410,

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

27.1836, 42.5410, 26.8572

Protanopia

38.9526, 41.8865, 23.1714

Deuteranopia

42.4985, 41.6624, 27.9920



Tritanopia

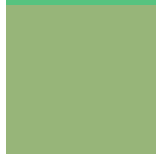
34.1649, 42.4607, 61.6534

Trichromacy



Original Color

27.1836, 42.5410, 26.8572



Protanomaly

32.7376, 41.0075, 24.2790



Deuteranomaly

34.3161, 40.5566, 27.4923



Tritanomaly

30.9832, 42.1038, 46.5383

Monochromacy



Original Color

27.1836, 42.5410, 26.8572



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.6915, 35.5396, 32.1357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1836, 42.5410, 26.8572 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(86, 195, 127)` looks like.

```
.text, #text, p{  
    color:rgb(86, 195, 127)  
}
```

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(86, 195, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 195, 127) }
```

Border

The CSS property to change the border of an element to XYZ 27.1836, 42.5410, 26.8572 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(86, 195, 127) }
```


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

```
.border{ border-color:rgb(86, 195, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 195, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 195, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 195, 127); box-shadow:4px 4px 4px 4px rgb(86, 195, 127) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1836, 42.5410, 26.8572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 195, 127) }
```

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

```
.background{ background-color: rgb(86, 195,  
127) }
```

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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