

Converting Colors

XYZ(27.5087, 47.1199, 18.4297)

Have a look what the booklet for
XYZ(27.5087, 47.1199, 18.4297)
contains.

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Color

**XYZ(27.5203, 47.0716,
18.4617)**

Conversions

Conversions Part 1

Format	Color
Hex	4ECF5F
RGB	78, 207, 95
RGB Percent	31%, 81%, 37%
CMY	0.6941, 0.1882, 0.6274
CMYK	0.62, 0.00, 0.54, 0.19
HSL	128°, 57%, 56%
HSV	128°, 62%, 81%
XYZ	27.5203, 47.0716, 18.4617
YIQ	155.6610, -40.9320, -62.1800

Conversions

Conversions Part 2

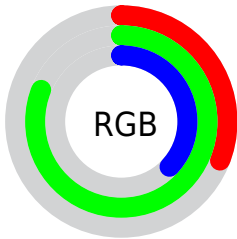
Format	Color
RYB	78, 192, 207
Decimal	5164895
CIELab	74.24, -58.16, 44.88
CIELCh	74, 73.468, 142.345
Yxy	47.0716, 0.2957, 0.5059
Android (android.graphics.Color)	4283354975 (0xFF4ECF5F)
YUV	155.6610, -29.9059, -68.1087
Hunter-Lab	68.6087, -48.4655, 32.0720

Details

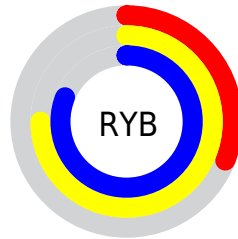
The XYZ color **27.5203, 47.0716, 18.4617** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **37.7522, 22.4327, 51.0567**, and the grayscale version is **31.5919, 33.2372, 36.1953**.

A 20% lighter version of the original color is **51.7528, 79.1471, 40.5662**, and **11.5027, 22.3076, 5.9851** is the 20% darker color. If you saturate the color by 10%, you get **25.3590, 46.0425, 14.5774**, and if you desaturate by 10%, it is **30.4061, 48.4551, 23.3657**.

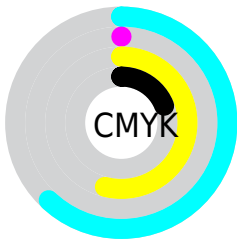
Distribution



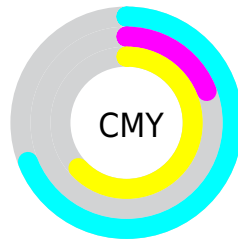
- Red (31%)
- Green (81%)
- Blue (37%)



- Red (31%)
- Yellow (75%)
- Blue (81%)



- Cyan (62%)
- Magenta (0%)
- Yellow (54%)
- Black (19%)



- Cyan (69%)
- Magenta (19%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5203, 47.0716, 18.4617 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 27.5203, 47.0716, 18.4617 by changing the saturation by 10% instead.

■ 27.5203, 47.0716,
18.4617

■ 27.5203, 47.0716,
18.4617

282.2894,
375.1003, 255.7836

■ 18.1030, 33.0923,
11.1091

■ 55.1317, 85.8205,
41.6470

■ 11.1241, 22.1971,
6.0252

■ 74.0564, 111.3588,
58.3168

■ 6.2183, 14.0018,
2.7914

■ 96.8811, 141.5190,
78.9294

■ 3.0202, 8.1219,
0.9891

■ 123.9709,
176.6853, 103.9034

■ 1.1644, 4.1731,
0.0000

155.6913,
217.2422, 133.6572

■ 0.0780, 1.7708,
0.0000

192.4076,

■ 0.0000, 0.4689,

263.5740, 168.6095

0.0000

234.4852,
316.0653, 209.1788

■ 0.0000, 0.0000,
0.0000

■ 27.5203, 47.0716,
18.4617

■ 27.5203, 47.0716,
18.4617

■ 25.3590, 46.0425,
14.5774

■ 30.4061, 48.4551,
23.3657

■ 23.8534, 45.3299,
11.6380

■ 34.0700, 50.2152,
29.3509

■ 22.9275, 44.8975,
9.5634

■ 38.5647, 52.3792,
36.4778

■ 22.5149, 44.7080,
8.4969

■ 43.9371, 54.9701,
44.8014

■ 50.2307, 58.0093,
54.3732

■ 57.4860, 61.5165,
65.2417

■ 65.7413, 65.5105,
77.4528

■ 75.0325, 70.0090,
91.0501

■ 81.6038, 73.1075,
104.4179

Harmonies

Analogous

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



35.7771, 47.0716, 9.1577



27.5203, 47.0716, 18.4617



24.0237, 47.0716, 42.1764

Triad

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



27.5203, 47.0716, 18.4617



41.4471, 47.0716, 162.1474



72.5245, 47.0716, 28.3079

Complementary

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



27.5203, 47.0716, 18.4617



37.7522, 22.4327, 51.0567

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.



74.8644, 47.0716, 61.5464



27.5203, 47.0716, 18.4617



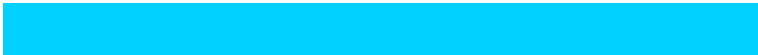
55.0875, 47.0716, 152.0114

Square

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



27.5203, 47.0716, 18.4617



30.9704, 47.0716, 132.9065



67.9632, 47.0716, 109.6369



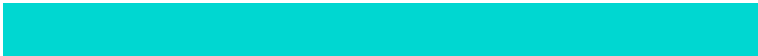
62.0844, 47.0716, 12.5816

Rectangle

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



27.5203, 47.0716, 18.4617



24.2624, 47.0716, 68.3962



67.9632, 47.0716, 109.6369



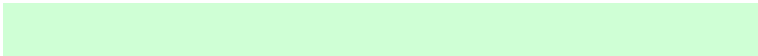
74.3578, 47.0716, 37.2441

Sweetspot

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



27.5215, 47.0736, 18.4628



73.3686, 89.5215, 76.3202



45.4154, 56.3780, 15.6964



15.1103, 18.8747, 15.4275



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.



27.5215, 47.0736, 18.4628



39.6594, 73.3221, 21.5037



31.5889, 48.7005, 39.8816



11.7188, 13.2313, 12.8758



14.2047, 28.1748, 5.4578



0.8155, 1.5839, 0.4171

Inverse Universe

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



37.7522, 22.4327, 51.0567



57.3134, 30.6003, 77.5975



32.3180, 20.2591, 22.4406



12.2410, 11.9811, 14.5447



21.4100, 10.4368, 28.1289



1.2162, 0.5912, 1.6732

Previews

White Background



This preview shows how the XYZ color 27.5203, 47.0716, 18.4617 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 27.5203, 47.0716, 18.4617 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 27.5203, 47.0716, 18.4617

Background



This preview shows how black text looks on a background with the XYZ color 27.5203, 47.0716, 18.4617.

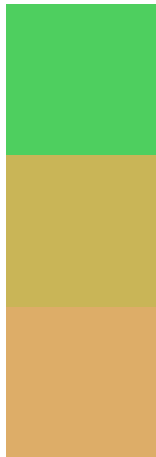


This preview shows how white text looks on a background with the XYZ color 27.5203, 47.0716,

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

27.5203, 47.0716, 18.4617

Protanopia

42.3316, 46.1534, 15.6942

Deuteranopia

47.2611, 46.2588, 19.5346



Tritanopia

37.4546, 46.9346, 68.0580

Trichromacy



Original Color

27.5203, 47.0716, 18.4617



Protanomaly

33.9692, 44.6330, 16.4975



Deuteranomaly

36.0601, 44.0725, 18.9182



Tritanomaly

32.5283, 46.2707, 44.2625

Monochromacy



Original Color

27.5203, 47.0716, 18.4617



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.5351, 36.9704, 28.1863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5203, 47.0716, 18.4617 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(78, 207, 95)` looks like.

```
.text, #text, p{  
    color:rgb(78, 207, 95)  
}
```

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(78, 207, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 207, 95) }
```

Border

The CSS property to change the border of an element to XYZ 27.5203, 47.0716, 18.4617 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(78, 207, 95) }
```


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

```
.border{ border-color:rgb(78, 207, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 207, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 207, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 207, 95);  
box-shadow:4px 4px 4px 4px rgb(78, 207,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5203, 47.0716, 18.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 207, 95) }
```

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

```
.background{ background-color: rgb(78, 207,  
95) }
```

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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