

Converting Colors

XYZ(27.7878, 46.1663, 18.3805)

Have a look what the booklet for
XYZ(27.7878, 46.1663, 18.3805)
contains.

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Color

**XYZ(27.7782, 46.1358,
18.2675)**

Conversions

Conversions Part 1

Format	Color
Hex	59CC5F
RGB	89, 204, 95
RGB Percent	35%, 80%, 37%
CMY	0.6510, 0.2000, 0.6274
CMYK	0.56, 0.00, 0.53, 0.20
HSL	123°, 53%, 57%
HSV	123°, 56%, 80%
XYZ	27.7782, 46.1358, 18.2675
YIQ	157.1890, -33.5510, -58.2790

Conversions

Conversions Part 2

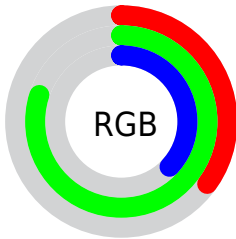
Format	Color
R_{YB}	89, 198, 204
Decimal	5885023
CIE _{Lab}	73.63, -54.54, 44.23
CIE _{LCh}	74, 70.222, 140.957
Yxy	46.1358, 0.3013, 0.5005
Android (android.graphics.Color)	4284075103 (0xFF59CC5F)
YUV	157.1890, -30.6592, -59.8018
Hunter-Lab	67.9233, -45.8658, 31.6007

Details

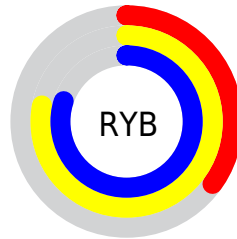
The XYZ color **27.7782, 46.1358, 18.2675** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **38.6685, 24.0600, 56.0327**, and the grayscale version is **32.2785, 33.9594, 36.9818**.

A 20% lighter version of the original color is **53.3180, 79.9540, 40.6395**, and **11.3272, 21.7413, 5.9824** is the 20% darker color. If you saturate the color by 10%, you get **25.3127, 44.9554, 14.1202**, and if you desaturate by 10%, it is **31.0064, 47.6869, 23.5911**.

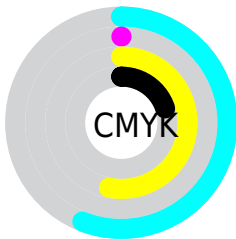
Distribution



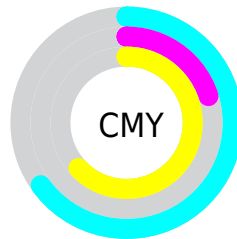
- Red (35%)
- Green (80%)
- Blue (37%)



- Red (35%)
- Yellow (78%)
- Blue (80%)



- Cyan (56%)
- Magenta (0%)
- Yellow (53%)
- Black (20%)



- Cyan (65%)
- Magenta (20%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7782, 46.1358, 18.2675 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 27.7782, 46.1358, 18.2675 by changing the saturation by 10% instead.

■ 27.7782, 46.1358,
18.2675

■ 27.7782, 46.1358,
18.2675

283.5049,
371.3543, 254.6611

■ 18.2981, 32.3530,
10.9708

■ 55.5413, 84.4222,
41.3127

■ 11.2652, 21.6313,
5.9333

■ 74.5550, 109.6946,
57.8982

■ 6.3141, 13.5862,
2.7364

■ 97.4772, 139.5656,
78.4172

■ 3.0795, 7.8334,
0.9617

■ 124.6735,
174.4197, 103.2880

■ 1.1959, 3.9886,
0.0000

156.5090,
214.6412, 132.9292

■ 0.1032, 1.6672,
0.0000

193.3492,

■ 0.0000, 0.4023,

260.6146, 167.7595

0.0000

235.5593,
312.7241, 208.1972

■ 0.0000, 0.0000,
0.0000

■ 27.7782, 46.1358,
18.2675

■ 27.7782, 46.1358,
18.2675

■ 25.3127, 44.9554,
14.1202

■ 31.0064, 47.6869,
23.5911

■ 23.5441, 44.1096,
11.0572

■ 35.0496, 49.6298,
30.1675

■ 22.4011, 43.5652,
8.9782

■ 39.9591, 51.9910,
38.0704

■ 21.7928, 43.2779,
7.7627

■ 45.7814, 54.7927,
47.3669

■ 21.6522, 43.2109,
7.5054

■ 52.5593, 58.0559,
58.1197

■ 60.3332, 61.8000,
70.3874

■ 69.1410, 66.0434,
84.2258

■ 79.0187, 70.8035,
99.6874

■ 80.8838, 71.6676,
104.1779

Harmonies

Analogous

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



35.8426, 46.1358, 9.5830



27.7782, 46.1358, 18.2675



24.2222, 46.1358, 40.2210

Triad

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



27.7782, 46.1358, 18.2675



40.1988, 46.1358, 152.7480



70.1841, 46.1358, 29.5067

Complementary

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



27.7782, 46.1358, 18.2675



38.6685, 24.0600, 56.0327

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.



71.9563, 46.1358, 61.7845



27.7782, 46.1358, 18.2675



52.9706, 46.1358, 145.1565

Square

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



27.7782, 46.1358, 18.2675



30.4478, 46.1358, 124.3970



65.1663, 46.1358, 106.8933



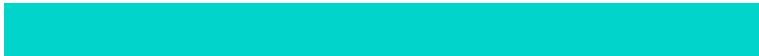
60.7024, 46.1358, 13.6107

Rectangle

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



27.7782, 46.1358, 18.2675



24.3157, 46.1358, 64.4060



65.1663, 46.1358, 106.8933



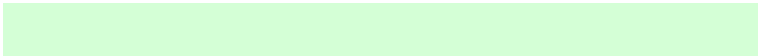
71.7636, 46.1358, 38.3103

Sweetspot

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



27.7793, 46.1377, 18.2685



74.9370, 90.3157, 77.0430



46.7526, 55.9491, 17.7864



15.5984, 19.1189, 15.7874



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.



27.7793, 46.1377, 18.2685



41.0783, 74.0453, 21.9459



31.4018, 47.5867, 37.3443



11.0914, 12.5463, 12.0387



13.6382, 27.2006, 4.7799



0.7121, 1.4066, 0.2913

Inverse Universe

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



38.6685, 24.0600, 56.0327



60.8539, 33.8851, 90.4809



33.2646, 21.8984, 27.5762



11.6613, 11.3932, 14.0169



21.7677, 10.5177, 32.8252



1.1309, 0.5458, 1.7352

Previews

White Background



This preview shows how the XYZ color 27.7782, 46.1358, 18.2675 looks on a white background.

Color Contrast Check

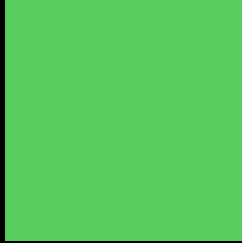
Large Text (above 18pt) WCAG AA × Fail

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 27.7782, 46.1358, 18.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

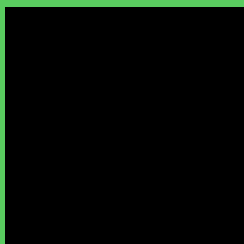
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7782, 46.1358, 18.2675

Background



This preview shows how black text looks on a background with the XYZ color 27.7782, 46.1358, 18.2675.



This preview shows how white text looks on a background with the XYZ color 27.7782, 46.1358,

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

27.7782, 46.1358, 18.2675

Protanopia

41.5947, 45.4728, 15.6017

Deuteranopia

46.2750, 45.1854, 19.3794



Tritanopia

37.3146, 45.9173, 65.9277

Trichromacy



Original Color

27.7782, 46.1358, 18.2675



Protanomaly

34.3411, 44.5043, 16.4531



Deuteranomaly

36.2957, 43.5772, 18.8102



Tritanomaly

32.5667, 45.2972, 43.1032

Monochromacy



Original Color

27.7782, 46.1358, 18.2675



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.9548, 36.8989, 28.1504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7782, 46.1358, 18.2675 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(89, 204, 95)` looks like.

```
.text, #text, p{  
    color:rgb(89, 204, 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(89, 204, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 204, 95) }
```

Border

The CSS property to change the border of an element to XYZ 27.7782, 46.1358, 18.2675 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(89, 204, 95) }
```


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

```
.border{ border-color:rgb(89, 204, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 204, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 204, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 204, 95);  
box-shadow:4px 4px 4px 4px rgb(89, 204,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7782, 46.1358, 18.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 204, 95) }
```

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

```
.background{ background-color: rgb(89, 204,  
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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