

Converting Colors

XYZ(27.4259, 46.1613, 10.8784)

Have a look what the booklet for
XYZ(27.4259, 46.1613, 10.8784)
contains.

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Color

**XYZ(27.3811, 46.0954,
10.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	63CC35
RGB	99, 204, 53
RGB Percent	39%, 80%, 21%
CMY	0.6118, 0.2000, 0.7921
CMYK	0.51, 0.00, 0.74, 0.20
HSL	102°, 60%, 50%
HSV	102°, 74%, 80%
XYZ	27.3811, 46.0954, 10.8223
YIQ	155.3910, -14.1090, -69.2210

Conversions

Conversions Part 2

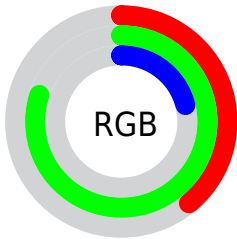
Format	Color
RYB	53, 204, 158
Decimal	6540341
CIELab	73.61, -56.02, 61.85
CIElCh	74, 83.447, 132.165
Yxy	46.0954, 0.3248, 0.5468
Android (android.graphics.Color)	4284730421 (0xFF63CC35)
YUV	155.3910, -50.4788, -49.4549
Hunter-Lab	67.8936, -46.8258, 38.0746

Details

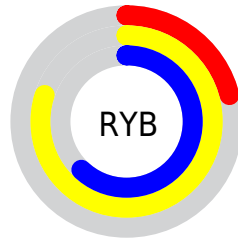
The XYZ color **27.3811, 46.0954, 10.8223** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **26.2752, 14.1765, 58.4807**, and the grayscale version is **31.5519, 33.1950, 36.1494**.

A 20% lighter version of the original color is **52.6209, 79.8932, 27.1155**, and **11.2541, 21.7561, 3.6062** is the 20% darker color. If you saturate the color by 10%, you get **25.5923, 45.2178, 8.7891**, and if you desaturate by 10%, it is **29.6440, 47.1972, 13.9217**.

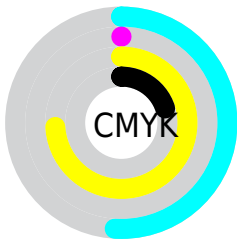
Distribution



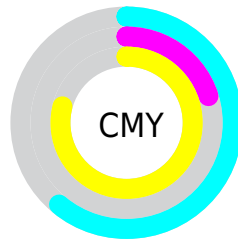
- Red (39%)
- Green (80%)
- Blue (21%)



- Red (21%)
- Yellow (80%)
- Blue (62%)



- Cyan (51%)
- Magenta (0%)
- Yellow (74%)
- Black (20%)



- Cyan (61%)
- Magenta (20%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3811, 46.0954, 10.8223 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 27.3811, 46.0954, 10.8223 by changing the saturation by 10% instead.

■ 27.3811, 46.0954,
10.8223

■ 27.3811, 46.0954,
10.8223

281.6317,
371.1921, 207.1378

■ 17.9977, 32.3211,
5.8348

■ 54.9104, 84.3618,
27.9627

■ 11.0480, 21.6069,
2.6777

■ 73.7870, 109.6226,
40.9527

■ 6.1667, 13.5683,
0.9322

■ 96.5587, 139.4811,
57.4473

■ 2.9883, 7.8211,
0.0000

■ 123.5909,
174.3216, 77.8650

■ 1.1476, 3.9807,
0.0000

■ 155.2490,
214.5286, 102.6243

■ 0.0644, 1.6627,
0.0000

191.8982,

■ 0.0000, 0.3994,

260.4864, 132.1439

0.0000

233.9040,
312.5794, 166.8422

■ 0.0000, 0.0000,
0.0000

■ 27.3811, 46.0954,
10.8223

■ 27.3811, 46.0954,
10.8223

■ 25.5923, 45.2178,
8.7891

■ 29.6440, 47.1972,
13.9217

■ 24.2327, 44.5402,
7.6744

■ 32.4136, 48.5330,
18.2036

■ 23.5892, 44.2163,
7.2913

■ 35.7227, 50.1191,
23.7725

■ 39.6005, 51.9684,
30.7206

■ 44.0737, 54.0929,
39.1317

■ 49.1673, 56.5038,
49.0827

■ 54.9049, 59.2116,
60.6454

■ 61.3086, 62.2264,
73.8869

■ 68.3996, 65.5577,
88.8705

Harmonies

Analogous

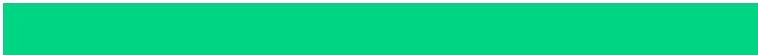
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0964, 46.0954, 5.2778



27.3811, 46.0954, 10.8223



21.9585, 46.0954, 29.1753

Triad

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



27.3811, 46.0954, 10.8223



35.6779, 46.0954, 174.2371



77.8470, 46.0954, 34.9284

Complementary

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



27.3811, 46.0954, 10.8223



26.2752, 14.1765, 58.4807

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.



76.7854, 46.0954, 79.4456



27.3811, 46.0954, 10.8223



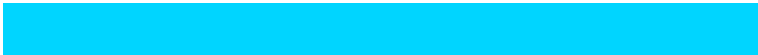
50.0731, 46.0954, 179.0540

Square

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



27.3811, 46.0954, 10.8223



25.9549, 46.0954, 126.9683



65.7726, 46.0954, 137.8237



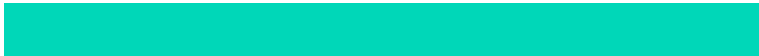
68.4109, 46.0954, 12.9991

Rectangle

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



27.3811, 46.0954, 10.8223



21.1211, 46.0954, 53.3261



65.7726, 46.0954, 137.8237



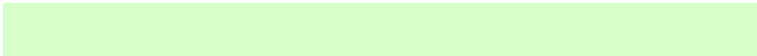
78.7562, 46.0954, 47.1795

Sweetspot

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



27.3822, 46.0974, 10.8233



74.3727, 90.2360, 67.4694



37.4656, 36.9350, 8.5233



15.4513, 19.0926, 13.5431



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.



27.3822, 46.0974, 10.8233



40.9192, 74.1554, 13.2585



24.5358, 44.5340, 15.0263



11.3841, 12.6999, 11.9308



14.9304, 27.8722, 4.5930



0.8479, 1.4779, 0.2406

Inverse Universe

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



26.2752, 14.1765, 58.4807



38.6845, 18.4757, 96.1350



34.0445, 18.5319, 43.0236



11.3420, 11.2256, 14.1393



13.9647, 6.4066, 36.4568



0.7954, 0.3691, 1.8843

Previews

White Background



This preview shows how the XYZ color 27.3811, 46.0954, 10.8223 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 27.3811, 46.0954, 10.8223 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 27.3811, 46.0954, 10.8223

Background



This preview shows how black text looks on a background with the XYZ color 27.3811, 46.0954, 10.8223.



This preview shows how white text looks on a background with the XYZ color 27.3811, 46.0954,

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

27.3811, 46.0954, 10.8223

Protanopia

41.1915, 45.4043, 9.2822

Deuteranopia

46.2867, 45.3665, 11.4713



Tritanopia

38.1582, 45.7188, 65.2060

Trichromacy



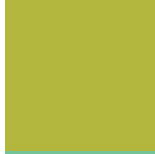
Original Color

27.3811, 46.0954, 10.8223



Protanomaly

34.2690, 44.6163, 9.7114



Deuteranomaly

36.3662, 43.7876, 10.9500



Tritanomaly

32.2226, 44.9452, 35.8311

Monochromacy



Original Color

27.3811, 46.0954, 10.8223



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.2053, 36.3460, 22.6685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3811, 46.0954, 10.8223 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(99, 204, 53)` looks like.

```
.text, #text, p{  
    color:rgb(99, 204, 53)  
}
```

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(99, 204, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 204, 53) }
```

Border

The CSS property to change the border of an element to XYZ 27.3811, 46.0954, 10.8223 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(99, 204, 53) }
```


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

```
.border{ border-color:rgb(99, 204, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 204, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 204, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 204, 53);  
box-shadow:4px 4px 4px 4px rgb(99, 204,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3811, 46.0954, 10.8223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 204, 53) }
```

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

```
.background{ background-color: rgb(99, 204,  
53) }
```

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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