

Converting Colors

XYZ(27.6668, 45.9495, 21.5053)

Have a look what the booklet for
XYZ(27.6668, 45.9495, 21.5053)
contains.

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Color

**XYZ(27.6930, 46.0178,
21.6101)**

Conversions

Conversions Part 1

Format	Color
Hex	51CC6C
RGB	81, 204, 108
RGB Percent	32%, 80%, 42%
CMY	0.6823, 0.2000, 0.5765
CMYK	0.60, 0.00, 0.47, 0.20
HSL	133°, 55%, 56%
HSV	133°, 60%, 80%
XYZ	27.6930, 46.0178, 21.6101
YIQ	156.2790, -42.4920, -55.9320

Conversions

Conversions Part 2

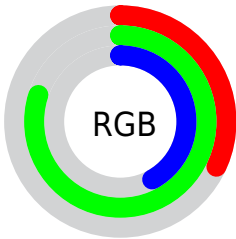
Format	Color
RYB	81, 182, 204
Decimal	5360748
CIELab	73.56, -54.55, 37.75
CIELCh	74, 66.336, 145.318
Yxy	46.0178, 0.2905, 0.4828
Android (android.graphics.Color)	4283550828 (0xFF51CC6C)
YUV	156.2790, -23.8015, -66.0197
Hunter-Lab	67.8364, -45.8443, 28.5980

Details

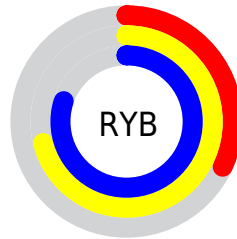
The XYZ color **27.6930, 46.0178, 21.6101** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **35.7815, 21.8974, 43.9371**, and the grayscale version is **31.8423, 33.5005, 36.4821**.

A 20% lighter version of the original color is **53.1775, 79.7559, 46.3099**, and **11.5112, 21.8004, 7.6042** is the 20% darker color. If you saturate the color by 10%, you get **25.4291, 44.9411, 17.4779**, and if you desaturate by 10%, it is **30.6390, 47.4308, 26.5841**.

Distribution



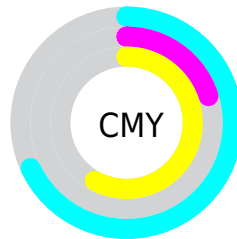
- Red (32%)
- Green (80%)
- Blue (42%)



- Red (32%)
- Yellow (71%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (47%)
- Black (20%)



- Cyan (68%)
- Magenta (20%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6930, 46.0178, 21.6101 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 27.6930, 46.0178, 21.6101 by changing the saturation by 10% instead.

■ 27.6930, 46.0178,
21.6101

■ 27.6930, 46.0178,
21.6101

283.1038,
370.8802, 273.3901

■ 18.2336, 32.2599,
13.3751

■ 55.4060, 84.2456,
46.9946

■ 11.2186, 21.5601,
7.5536

■ 74.3904, 109.4843,
64.9812

■ 6.2824, 13.5340,
3.7270

■ 97.2804, 139.3187,
87.0555

■ 3.0598, 7.7973,
1.4768

■ 124.4415,
174.1332, 113.6359

■ 1.1855, 3.9655,
0.2006

156.2391,
214.3122, 145.1410

■ 0.0949, 1.6543,
0.0000

193.0384,

■ 0.0000, 0.3938,

260.2401, 181.9894

0.0000

235.2049,
312.3013, 224.5996

■ 0.0000, 0.0000,
0.0000

■ 27.6930, 46.0178,
21.6101

■ 27.6930, 46.0178,
21.6101

■ 25.4291, 44.9411,
17.4779

■ 30.6390, 47.4308,
26.5841

■ 23.7867, 44.1667,
14.1377

■ 34.3142, 49.1996,
32.4397

■ 22.7001, 43.6629,
11.5391

■ 38.7651, 51.3487,
39.2182

■ 22.0632, 43.3753,
9.6701

■ 44.0336, 53.8989,
46.9571

■ 50.1585, 56.8694,
55.6920

■ 57.1759, 60.2782,
65.4564

■ 65.1201, 64.1422,
76.2826

■ 74.0233, 68.4774,
88.2012

■ 80.2940, 71.4316,
101.0723

Harmonies

Analogous

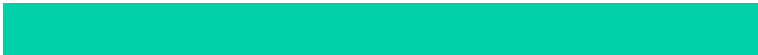
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.7871, 46.0178, 11.4656



27.6930, 46.0178, 21.6101



24.8943, 46.0178, 45.0168

Triad

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



27.6930, 46.0178, 21.6101



41.9236, 46.0178, 145.9605



67.4518, 46.0178, 27.2524

Complementary

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



27.6930, 46.0178, 21.6101



35.7815, 21.8974, 43.9371

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.



70.2810, 46.0178, 55.5640



27.6930, 46.0178, 21.6101



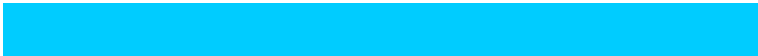
54.1073, 46.0178, 134.0857

Square

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



27.6930, 46.0178, 21.6101



32.1215, 46.0178, 124.1794



65.0246, 46.0178, 96.5672



57.8649, 46.0178, 13.5529

Rectangle

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



27.6930, 46.0178, 21.6101



25.3961, 46.0178, 69.1747



65.0246, 46.0178, 96.5672



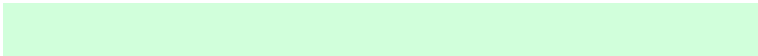
69.2900, 46.0178, 34.9087

Sweetspot

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



27.6941, 46.0197, 21.6111



74.8922, 90.2136, 80.6050



41.2911, 53.1703, 15.8715



15.4302, 19.0187, 16.3866



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.



27.6941, 46.0197, 21.6111



41.2961, 74.0380, 27.3570



32.1631, 47.8073, 45.1441



11.1672, 12.5766, 12.4378



13.9152, 27.3114, 6.2383



0.7471, 1.4207, 0.4760

Inverse Universe

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



35.7815, 21.8974, 43.9371



55.7455, 30.7082, 67.0750



30.9892, 19.9805, 18.7012



11.5780, 11.3599, 13.5785



19.6603, 9.6747, 21.7275



1.0411, 0.5098, 1.2620

Previews

White Background



This preview shows how the XYZ color 27.6930, 46.0178, 21.6101 looks on a white background.

Color Contrast Check

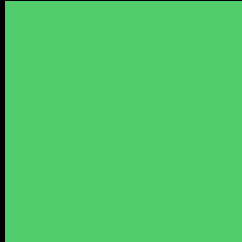
Large Text (above 18pt) WCAG AA × Fail

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 27.6930, 46.0178, 21.6101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

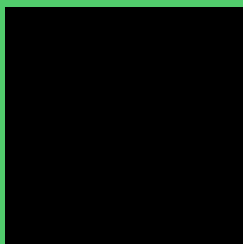
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6930, 46.0178, 21.6101

Background



This preview shows how black text looks on a background with the XYZ color 27.6930, 46.0178, 21.6101.



This preview shows how white text looks on a background with the XYZ color 27.6930, 46.0178,

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

27.6930, 46.0178, 21.6101

Protanopia

41.3982, 45.0114, 18.3105

Deuteranopia

46.0342, 44.9857, 22.7798



Tritanopia

36.6395, 45.8821, 66.5995

Trichromacy



Original Color

27.6930, 46.0178, 21.6101



Protanomaly

33.8991, 43.8943, 19.2562



Deuteranomaly

35.8505, 43.2747, 22.0861



Tritanomaly

32.4496, 45.5077, 46.1033

Monochromacy



Original Color

27.6930, 46.0178, 21.6101



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.6570, 36.4183, 29.9452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6930, 46.0178, 21.6101 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(81, 204, 108)` looks like.

```
.text, #text, p{  
    color:rgb(81, 204, 108)  
}
```

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(81, 204, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 204, 108) }
```

Border

The CSS property to change the border of an element to XYZ 27.6930, 46.0178, 21.6101 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(81, 204, 108) }
```


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

```
.border{ border-color:rgb(81, 204, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 204, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 204, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 204, 108);  
box-shadow:4px 4px 4px 4px rgb(81, 204,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6930, 46.0178, 21.6101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 204, 108) }
```

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

```
.background{ background-color: rgb(81, 204,  
108) }
```

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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