

Converting Colors

XYZ(27.7241, 53.9109, 13.9805)

Have a look what the booklet for
XYZ(27.7241, 53.9109, 13.9805)
contains.

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Color

**XYZ(27.6098, 53.6930,
13.9096)**

Conversions

Conversions Part 1

Format	Color
Hex	00E041
RGB	0, 224, 65
RGB Percent	0%, 88%, 25%
CMY	1.0000, 0.1216, 0.7451
CMYK	1.00, 0.00, 0.71, 0.12
HSL	137°, 100%, 44%
HSV	137°, 100%, 88%
XYZ	27.6098, 53.6930, 13.9096
YIQ	138.8980, -82.4650, -96.9370

Conversions

Conversions Part 2

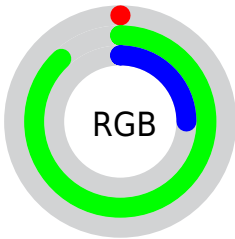
Format	Color
RYB	0, 174, 224
Decimal	57409
CIELab	78.28, -75.25, 61.83
CIELCh	78, 97.392, 140.592
Yxy	53.6930, 0.2900, 0.5639
Android (android.graphics.Color)	4278247489 (0xFF00E041)
YUV	138.8980, -36.4317, -121.8135
Hunter-Lab	73.2755, -60.9743, 40.0381

Details

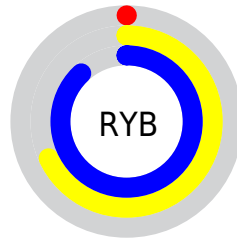
The XYZ color **27.6098, 53.6930, 13.9096** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **37.0000, 18.3513, 34.3939**, and the grayscale version is **24.6613, 25.9456, 28.2548**.

A 20% lighter version of the original color is **45.5179, 76.1517, 30.3889**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **27.6110, 53.6952, 13.9104**, and if you desaturate by 10%, it is **28.4783, 54.0813, 16.7038**.

Distribution



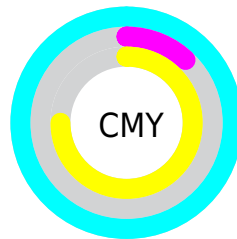
- Red (0%)
- Green (88%)
- Blue (25%)



- Red (0%)
- Yellow (68%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (12%)



- Cyan (100%)
- Magenta (12%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6098, 53.6930, 13.9096 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 27.6098, 53.6930, 13.9096 by changing the saturation by 10% instead.

■ 27.6098, 53.6930,
13.9096

■ 27.6098, 53.6930,
13.9096

282.7117,
400.9382, 228.0766

■ 18.1707, 38.3563,
7.9198

■ 55.2739, 95.6233,
33.6434

■ 11.1730, 26.2593,
3.9566

■ 74.2295, 122.9857,
48.2244

■ 6.2515, 17.0177,
1.6016

■ 97.0881, 155.1255,
66.5062

■ 3.0407, 10.2471,
0.2919

■ 124.2149,
192.4270, 88.9074

■ 1.1753, 5.5631,
0.0000

■ 155.9753,
235.2746, 115.8465

■ 0.0868, 2.5813,
0.0000

192.7347,

■ 0.0000, 0.9173,

284.0528, 147.7420

0.0000

234.8583,
339.1458, 185.0125

■ 0.0000, 0.0000,
0.0000

■ 27.6098, 53.6930,
13.9096

■ 27.6098, 53.6930,
13.9096

■ 27.6110, 53.6952,
13.9104

■ 28.4783, 54.0813,
16.7038

■ 29.8790, 54.7264,
20.2503

■ 31.9496, 55.6997,
24.6033

■ 34.7712, 57.0419,
29.8094

■ 38.4124, 58.7877,
35.9114

■ 42.9339, 60.9675,
42.9494

■ 48.3905, 63.6088,
50.9607

■ 54.8323, 66.7368,
59.9807

■ 62.3060, 70.3746,
70.0430

Harmonies

Analogous

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



39.1861, 53.6930, 4.9512



27.6098, 53.6930, 13.9096



22.7198, 53.6930, 42.9131

Triad

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



27.6098, 53.6930, 13.9096



45.2678, 53.6930, 235.4764



93.6619, 53.6930, 28.7455

Complementary

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



27.6098, 53.6930, 13.9096



37.0000, 18.3513, 34.3939

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.



96.4636, 53.6930, 77.3765



27.6098, 53.6930, 13.9096



65.0565, 53.6930, 222.3118

Square

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



27.6098, 53.6930, 13.9096



31.1048, 53.6930, 183.0355



84.9560, 53.6930, 153.7611



78.0499, 53.6930, 9.0574

Rectangle

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



27.6098, 53.6930, 13.9096



22.7967, 53.6930, 79.9830



84.9560, 53.6930, 153.7611



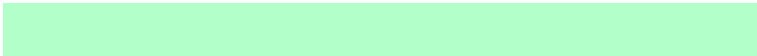
96.2625, 53.6930, 41.1964

Sweetspot

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



27.6111, 53.6952, 13.9108



64.7423, 85.2471, 68.1151



41.2616, 60.8426, 9.5692



13.1610, 17.9089, 13.5704



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.



27.6111, 53.6952, 13.9108



36.9959, 72.0144, 18.4284



34.4410, 56.4272, 49.8765



13.6915, 15.4024, 15.4109



16.1144, 31.2706, 8.3252



1.1551, 2.1828, 0.7780

Inverse Universe

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



37.0000, 18.3513, 34.3939



49.5808, 24.5963, 45.8518



31.2864, 16.0659, 4.3068



14.1166, 13.8643, 16.3843



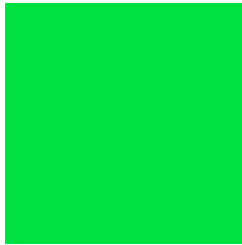
21.5879, 10.7022, 20.2937



1.5347, 0.7571, 1.6083

Previews

White Background



This preview shows how the XYZ color 27.6098, 53.6930, 13.9096 looks on a white background.

Color Contrast Check

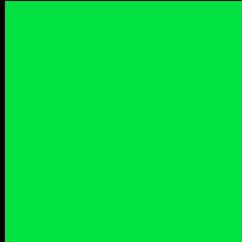
Large Text (above 18pt) WCAG AA × Fail

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 27.6098, 53.6930, 13.9096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

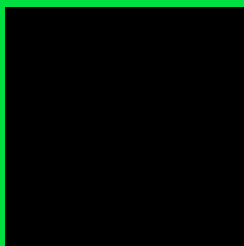
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6098, 53.6930, 13.9096

Background



This preview shows how black text looks on a background with the XYZ color 27.6098, 53.6930, 13.9096.

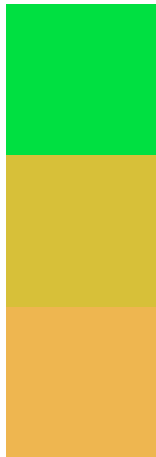


This preview shows how white text looks on a background with the XYZ color 27.6098, 53.6930,

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

27.6098, 53.6930, 13.9096

Protanopia

47.6125, 52.4418, 11.4837

Deuteranopia

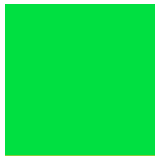
53.4358, 52.2122, 14.8510



Tritanopia

40.9416, 53.3672, 80.0946

Trichromacy



Original Color

27.6098, 53.6930, 13.9096



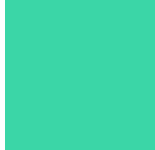
Protanomaly

32.7250, 48.8303, 11.9754



Deuteranomaly

33.9988, 47.0198, 13.9404



Tritanomaly

32.8253, 51.8130, 44.8300

Monochromacy



Original Color

27.6098, 53.6930, 13.9096



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.3239, 31.9940, 20.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6098, 53.6930, 13.9096 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(0, 224, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 65)  
}
```

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(0, 224, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 65) }
```

Border

The CSS property to change the border of an element to XYZ 27.6098, 53.6930, 13.9096 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(0, 224, 65) }
```


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

```
.border{ border-color:rgb(0, 224, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.6098, 53.6930, 13.9096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 65) }
```

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

```
.background{ background-color: rgb(0, 224,  
65) }
```

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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