

Converting Colors

XYZ(27.5636, 53.8467, 13.1353)

Have a look what the booklet for
XYZ(27.5636, 53.8467, 13.1353)
contains.

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Color

**XYZ(27.4451, 53.6271,
13.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	00E03B
RGB	0, 224, 59
RGB Percent	0%, 88%, 23%
CMY	1.0000, 0.1216, 0.7686
CMYK	1.00, 0.00, 0.74, 0.12
HSL	136°, 100%, 44%
HSV	136°, 100%, 88%
XYZ	27.4451, 53.6271, 13.0422
YIQ	138.2140, -80.5390, -98.8030

Conversions

Conversions Part 2

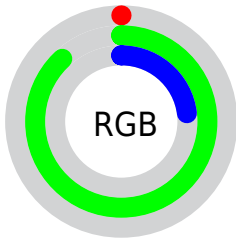
Format	Color
RYB	0, 177, 224
Decimal	57403
CIELab	78.24, -75.74, 63.90
CIELCh	78, 99.097, 139.847
Yxy	53.6271, 0.2916, 0.5698
Android (android.graphics.Color)	4278247483 (0xFF00E03B)
YUV	138.2140, -39.0525, -121.2137
Hunter-Lab	73.2305, -61.2558, 40.7019

Details

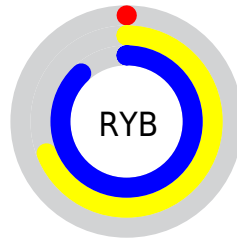
The XYZ color **27.4451, 53.6271, 13.0422** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **37.5336, 18.5648, 37.2042**, and the grayscale version is **24.4076, 25.6787, 27.9641**.

A 20% lighter version of the original color is **45.2191, 76.0322, 28.8154**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **27.4462, 53.6292, 13.0428**, and if you desaturate by 10%, it is **28.2840, 54.0036, 15.6808**.

Distribution



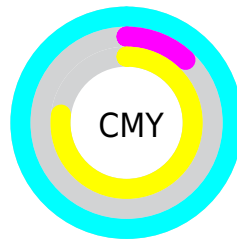
- Red (0%)
- Green (88%)
- Blue (23%)



- Red (0%)
- Yellow (69%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (12%)



- Cyan (100%)
- Magenta (12%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4451, 53.6271, 13.0422 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 27.4451, 53.6271, 13.0422 by changing the saturation by 10% instead.

■ 27.4451, 53.6271,
13.0422

■ 27.4451, 53.6271,
13.0422

281.9342,
400.6864, 222.4053

■ 18.0461, 38.3036,
7.3265

■ 55.0122, 95.5265,
32.0719

■ 11.0830, 26.2184,
3.5856

■ 73.9109, 122.8712,
46.2230

■ 6.1904, 16.9871,
1.4009

■ 96.7070, 154.9918,
64.0230

■ 3.0029, 10.2253,
0.1424

■ 123.7657,
192.2726, 85.8904

■ 1.1553, 5.5486,
0.0000

■ 155.4524,
235.0981, 112.2438

■ 0.0706, 2.5726,
0.0000

192.1325,

■ 0.0000, 0.9129,

283.8526, 143.5017

0.0000

234.1713,
338.9206, 180.0827

■ 0.0000, 0.0000,
0.0000

■ 27.4451, 53.6271,
13.0422

■ 27.4451, 53.6271,
13.0422

■ 27.4462, 53.6292,
13.0428

■ 28.2840, 54.0036,
15.6808

■ 29.6625, 54.6398,
19.1099

■ 31.7195, 55.6076,
23.3907

■ 34.5372, 56.9483,
28.5762

■ 38.1853, 58.6969,
34.7146

■ 42.7256, 60.8842,
41.8510

■ 48.2136, 63.5381,
50.0273

■ 54.7003, 66.6840,
59.2830

■ 62.2329, 70.3454,
69.6556

Harmonies

Analogous

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



39.3261, 53.6271, 4.5254



27.4451, 53.6271, 13.0422



22.3637, 53.6271, 41.5112

Triad

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



27.4451, 53.6271, 13.0422



44.6742, 53.6271, 239.3126



94.7248, 53.6271, 29.1115

Complementary

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



27.4451, 53.6271, 13.0422



37.5336, 18.5648, 37.2042

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.



97.2126, 53.6271, 79.3193



27.4451, 53.6271, 13.0422



64.7137, 53.6271, 227.5434

Square

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



27.4451, 53.6271, 13.0422



30.5025, 53.6271, 184.0230



85.1292, 53.6271, 157.9216



79.0070, 53.6271, 8.8843

Rectangle

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



27.4451, 53.6271, 13.0422



22.3438, 53.6271, 78.6336



85.1292, 53.6271, 157.9216



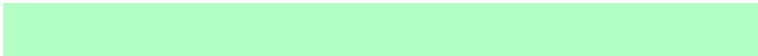
97.2657, 53.6271, 41.9594

Sweetspot

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



27.4464, 53.6293, 13.0434



64.5032, 85.1515, 66.8561



42.8061, 61.6388, 9.6415



13.1056, 17.8868, 13.2786



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.



27.4464, 53.6293, 13.0434



36.7781, 71.9272, 17.2813



33.7251, 56.1408, 46.1067



13.6763, 15.3962, 15.3304



16.0155, 31.2310, 7.8046



1.1466, 2.1793, 0.7330

Inverse Universe

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



37.5336, 18.5648, 37.2042



50.2992, 24.8837, 49.6351



31.4557, 16.1336, 5.1983



14.1328, 13.8708, 16.4696



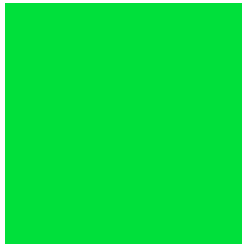
21.8960, 10.8254, 21.9160



1.5540, 0.7649, 1.7100

Previews

White Background



This preview shows how the XYZ color 27.4451, 53.6271, 13.0422 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 27.4451, 53.6271, 13.0422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

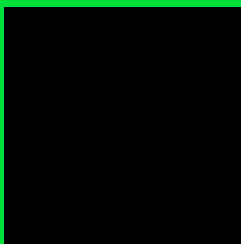
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

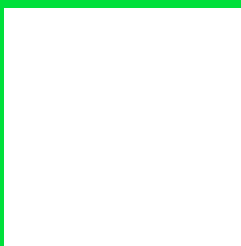
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4451, 53.6271, 13.0422

Background



This preview shows how black text looks on a background with the XYZ color 27.4451, 53.6271, 13.0422.

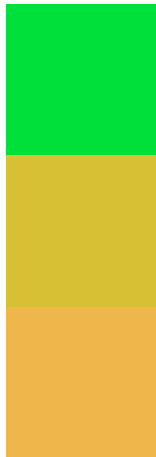


This preview shows how white text looks on a background with the XYZ color 27.4451, 53.6271,

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

27.4451, 53.6271, 13.0422

Protanopia

47.4715, 52.3854, 10.7413

Deuteranopia

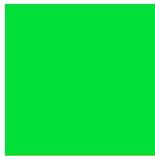
53.5946, 52.3146, 13.9296



Tritanopia

40.9416, 53.3672, 80.0946

Trichromacy



Original Color

27.4451, 53.6271, 13.0422



Protanomaly

32.5752, 48.7704, 11.1868



Deuteranomaly

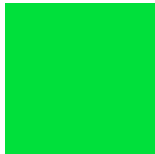
33.9893, 47.0376, 12.9180



Tritanomaly

32.6417, 51.7396, 43.8636

Monochromacy



Original Color

27.4451, 53.6271, 13.0422



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

20.9728, 31.5548, 19.4533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4451, 53.6271, 13.0422 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 59) }
```

Border

The CSS property to change the border of an element to XYZ 27.4451, 53.6271, 13.0422 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, 59) }
```


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

```
.border{ border-color:rgb(0, 224, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.4451, 53.6271, 13.0422 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, 59) }
```

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

```
.background{ background-color: rgb(0, 224,  
59) }
```

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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