

Converting Colors

XYZ(27.2757, 53.7315, 11.6192)

Have a look what the booklet for
XYZ(27.2757, 53.7315, 11.6192)
contains.

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Color

**XYZ(27.1687, 53.5165,
11.5871)**

Conversions

Conversions Part 1

Format	Color
Hex	00E02F
RGB	0, 224, 47
RGB Percent	0%, 88%, 18%
CMY	1.0000, 0.1216, 0.8157
CMYK	1.00, 0.00, 0.79, 0.12
HSL	133°, 100%, 44%
HSV	133°, 100%, 88%
XYZ	27.1687, 53.5165, 11.5871
YIQ	136.8460, -76.6870, -102.5350

Conversions

Conversions Part 2

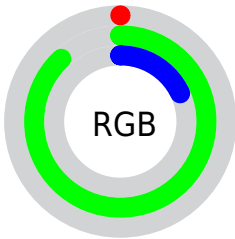
Format	Color
RYB	0, 185, 224
Decimal	57391
CIELab	78.18, -76.58, 67.60
CIELCh	78, 102.146, 138.562
Yxy	53.5165, 0.2944, 0.5800
Android (android.graphics.Color)	4278247471 (0xFF00E02F)
YUV	136.8460, -44.2941, -120.0139
Hunter-Lab	73.1550, -61.7289, 41.8175

Details

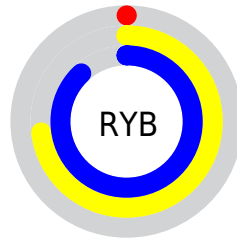
The XYZ color **27.1687, 53.5165, 11.5871** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **38.6771, 19.0221, 43.2260**, and the grayscale version is **23.9036, 25.1485, 27.3867**.

A 20% lighter version of the original color is **44.8442, 75.8965, 26.1959**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **27.1700, 53.5187, 11.5883**, and if you desaturate by 10%, it is **27.9422, 53.8668, 13.8814**.

Distribution



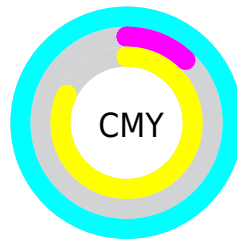
- Red (0%)
- Green (88%)
- Blue (18%)



- Red (0%)
- Yellow (73%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (12%)



- Cyan (100%)
- Magenta (12%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1687, 53.5165, 11.5871 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 27.1687, 53.5165, 11.5871 by changing the saturation by 10% instead.

■ 27.1687, 53.5165,
11.5871

■ 27.1687, 53.5165,
11.5871

280.6257,
400.2636, 212.5323

■ 17.8372, 38.2152,
6.3441

■ 54.5724, 95.3640,
29.3939

■ 10.9322, 26.1498,
2.9833

■ 73.3754, 122.6790,
42.7947

■ 6.0882, 16.9357,
1.0861

■ 96.0662, 154.7673,
59.7519

■ 2.9399, 10.1887,
0.0000

■ 123.0102,
192.0135, 80.6840

■ 1.1221, 5.5242,
0.0000

■ 154.5729,
234.8018, 106.0096

■ 0.0435, 2.5580,
0.0000

■ 191.1194,

■ 0.0000, 0.9056,

283.5166, 136.1471

0.0000

233.0152,
338.5424, 171.5152

■ 0.0000, 0.0000,
0.0000

■ 27.1687, 53.5165,
11.5871

■ 27.1687, 53.5165,
11.5871

■ 27.1700, 53.5187,
11.5883

■ 27.9422, 53.8668,
13.8814

■ 29.2687, 54.4822,
17.0376

■ 31.2907, 55.4360,
21.1347

■ 34.0930, 56.7706,
26.2402

■ 37.7479, 58.5218,
32.4152

■ 42.3192, 60.7216,
39.7161

■ 47.8645, 63.3983,
48.1951

■ 54.4365, 66.5783,
57.9013

■ 62.0843, 70.2858,
68.8809

Harmonies

Analogous

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



39.5954, 53.5165, 3.8326



27.1687, 53.5165, 11.5871



21.7496, 53.5165, 39.0708

Triad

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



27.1687, 53.5165, 11.5871



43.6252, 53.5165, 246.1698



96.6390, 53.5165, 29.8059

Complementary

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



27.1687, 53.5165, 11.5871



38.6771, 19.0221, 43.2260

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.



98.5459, 53.5165, 82.9104



27.1687, 53.5165, 11.5871



64.0945, 53.5165, 237.0418

Square

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



27.1687, 53.5165, 11.5871



29.4510, 53.5165, 185.7011



85.4232, 53.5165, 165.5507



80.7442, 53.5165, 8.5969

Rectangle

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



27.1687, 53.5165, 11.5871



21.5603, 53.5165, 76.2245



85.4232, 53.5165, 165.5507



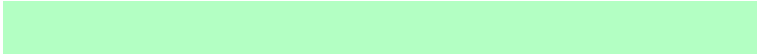
99.0668, 53.5165, 43.3832

Sweetspot

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



27.1700, 53.5187, 11.5883



64.0350, 84.9642, 64.3904



45.2941, 62.9213, 9.7578



12.9975, 17.8435, 12.7093



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.



27.1700, 53.5187, 11.5883



36.4145, 71.7818, 15.3663



32.7257, 55.7410, 40.8443



13.6459, 15.3841, 15.1704



15.8483, 31.1642, 6.9240



1.1312, 2.1732, 0.6518

Inverse Universe

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



38.6771, 19.0221, 43.2260



51.8401, 25.5000, 57.7491



31.7608, 16.2556, 6.8055



14.1654, 13.8838, 16.6410



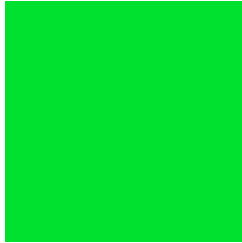
22.5553, 11.0891, 25.3878



1.5947, 0.7811, 1.9244

Previews

White Background



This preview shows how the XYZ color 27.1687, 53.5165, 11.5871 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 27.1687, 53.5165, 11.5871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

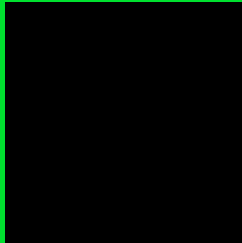
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

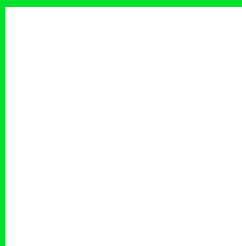
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1687, 53.5165, 11.5871

Background



This preview shows how black text looks on a background with the XYZ color 27.1687, 53.5165, 11.5871.



This preview shows how white text looks on a background with the XYZ color 27.1687, 53.5165,

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

27.1687, 53.5165, 11.5871

Protanopia

47.5347, 52.4447, 9.5369

Deuteranopia

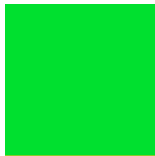
53.3079, 52.2000, 12.4202



Tritanopia

41.0421, 53.4191, 80.0993

Trichromacy



Original Color

27.1687, 53.5165, 11.5871



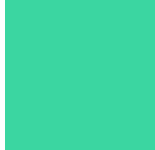
Protanomaly

32.3273, 48.6713, 9.8812



Deuteranomaly

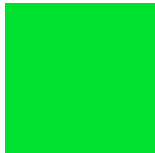
33.7046, 46.9237, 11.4184



Tritanomaly

32.2832, 51.5962, 41.9758

Monochromacy



Original Color

27.1687, 53.5165, 11.5871



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.6171, 31.4016, 18.0712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1687, 53.5165, 11.5871 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 47) }
```

Border

The CSS property to change the border of an element to XYZ 27.1687, 53.5165, 11.5871 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, 47) }
```


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

```
.border{ border-color:rgb(0, 224, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.1687, 53.5165, 11.5871 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, 47) }
```

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

```
.background{ background-color: rgb(0, 224,  
47) }
```

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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