

Converting Colors

XYZ(27.7304, 55.1791, 10.1118)

Have a look what the booklet for
XYZ(27.7304, 55.1791, 10.1118)
contains.

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Color

**XYZ(27.6446, 55.0084,
10.0804)**

Conversions

Conversions Part 1

Format	Color
Hex	00E319
RGB	0, 227, 25
RGB Percent	0%, 89%, 10%
CMY	1.0000, 0.1098, 0.9019
CMYK	1.00, 0.00, 0.89, 0.11
HSL	127°, 100%, 45%
HSV	127°, 100%, 89%
XYZ	27.6446, 55.0084, 10.0804
YIQ	136.0990, -70.4500, -110.9460

Conversions

Conversions Part 2

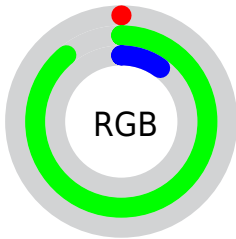
Format	Color
RYB	0, 204, 227
Decimal	58137
CIELab	79.05, -78.40, 73.40
CIELCh	79, 107.396, 136.889
Yxy	55.0084, 0.2981, 0.5932
Android (android.graphics.Color)	4278248217 (0xFF00E319)
YUV	136.0990, -54.7718, -119.3588
Hunter-Lab	74.1676, -63.2609, 43.8590

Details

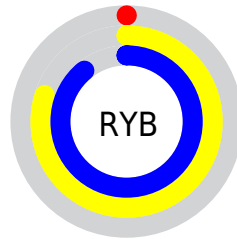
The XYZ color **27.6446, 55.0084, 10.0804** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **42.3395, 20.5955, 57.6154**, and the grayscale version is **23.6587, 24.8908, 27.1061**.

A 20% lighter version of the original color is **44.4625, 75.7729, 22.8719**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.6458, 55.0106, 10.0815**, and if you desaturate by 10%, it is **28.2946, 55.3102, 11.6890**.

Distribution



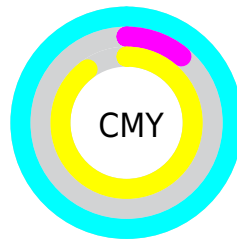
- Red (0%)
- Green (89%)
- Blue (10%)



- Red (0%)
- Yellow (80%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (89%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6446, 55.0084, 10.0804 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 27.6446, 55.0084, 10.0804 by changing the saturation by 10% instead.


 27.6446, 55.0084,
10.0804


 27.6446, 55.0084,
10.0804


282.8757,
405.9438, 201.7506


 18.1970, 39.4084,
5.3460


 55.3291, 97.5533,
26.5568


 11.1921, 27.0776,
2.3894


 74.2968, 125.2670,
39.1359

 6.2644, 17.6315,
0.7807


 97.1686, 157.7874,
55.1669

 3.0487, 10.6858,
0.0000

 124.3097,
195.4989, 75.0685

 1.1796, 5.8560,
0.0000

 156.0857,
238.7859, 99.2591

 0.0901, 2.7577,
0.0000

 192.8617,

 0.0000, 1.0066,

288.0328, 128.1572

0.0000

235.0033,
343.6239, 162.1816

■ 0.0000, 0.0000,
0.0000

■ 27.6446, 55.0084,
10.0804

■ 27.6446, 55.0084,
10.0804

■ 27.6458, 55.0106,
10.0815

■ 28.2946, 55.3102,
11.6890

■ 29.5364, 55.8940,
14.2960

■ 31.5255, 56.8388,
18.0320

■ 34.3571, 58.1913,
23.0058

■ 38.1120, 59.9914,
29.3133

■ 42.8616, 62.2737,
37.0410

■ 48.6702, 65.0699,
46.2682

■ 55.5965, 68.4087,
57.0683

■ 63.6952, 72.3167,
69.5097

Harmonies

Analogous

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



41.2250, 55.0084, 3.1058



27.6446, 55.0084, 10.0804



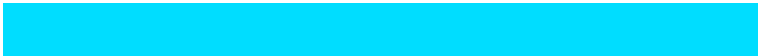
21.5919, 55.0084, 36.9569

Triad

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



27.6446, 55.0084, 10.0804



43.5003, 55.0084, 263.3621



102.3226, 55.0084, 31.7840

Complementary

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



27.6446, 55.0084, 10.0804



42.3395, 20.5955, 57.6154

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.



103.4242, 55.0084, 90.7749



27.6446, 55.0084, 10.0804



65.1621, 55.0084, 258.0060

Square

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



27.6446, 55.0084, 10.0804



28.9170, 55.0084, 193.5513



88.4121, 55.0084, 181.7989



85.7194, 55.0084, 8.4979

Rectangle

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



27.6446, 55.0084, 10.0804



21.1650, 55.0084, 75.1588



88.4121, 55.0084, 181.7989



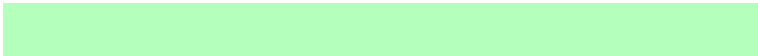
104.6503, 55.0084, 46.8514

Sweetspot

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



27.6459, 55.0107, 10.0816



63.1971, 84.6291, 59.9783



52.4555, 67.8208, 10.3261



12.8054, 17.7667, 11.6981



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.



27.6459, 55.0107, 10.0816



35.9708, 71.6043, 13.0299



31.9287, 56.7238, 32.6345



14.2536, 16.1149, 15.6001



16.1434, 32.0895, 5.9895



1.2146, 2.3800, 0.5567

Inverse Universe

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



42.3395, 20.5955, 57.6154



55.0916, 26.8006, 74.8715



33.5597, 17.0836, 11.3818



14.9231, 14.5864, 17.7954



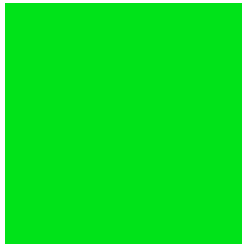
24.7184, 12.0216, 33.7418



1.8463, 0.8962, 2.5969

Previews

White Background



This preview shows how the XYZ color 27.6446, 55.0084, 10.0804 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 27.6446, 55.0084, 10.0804 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

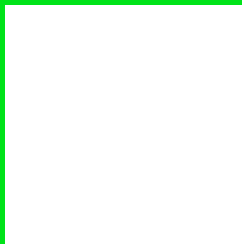
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6446, 55.0084, 10.0804

Background



This preview shows how black text looks on a background with the XYZ color 27.6446, 55.0084, 10.0804.



This preview shows how white text looks on a background with the XYZ color 27.6446, 55.0084,

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

27.6446, 55.0084, 10.0804

Protanopia

48.5600, 53.6656, 8.0863

Deuteranopia

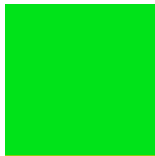
54.7685, 53.6020, 10.9496



Tritanopia

42.0172, 54.6229, 81.7275

Trichromacy



Original Color

27.6446, 55.0084, 10.0804



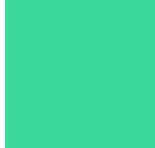
Protanomaly

32.8050, 49.6661, 8.3094



Deuteranomaly

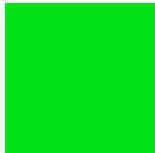
34.6079, 48.4515, 9.8136



Tritanomaly

32.5091, 52.9195, 39.0729

Monochromacy



Original Color

27.6446, 55.0084, 10.0804



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.2298, 31.2467, 16.0313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6446, 55.0084, 10.0804 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, 227, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 25)  
}
```

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, 227, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 25) }
```

Border

The CSS property to change the border of an element to XYZ 27.6446, 55.0084, 10.0804 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, 227, 25) }
```


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

```
.border{ border-color:rgb(0, 227, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 25)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.6446, 55.0084, 10.0804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 25) }
```

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

```
.background{ background-color: rgb(0, 227,  
25) }
```

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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