

Converting Colors

XYZ(27.9451, 55.5695, 10.3037)

Have a look what the booklet for
XYZ(27.9451, 55.5695, 10.3037)
contains.

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Color

**XYZ(27.9412, 55.5659,
10.2896)**

Conversions

Conversions Part 1

Format	Color
Hex	00E41B
RGB	0, 228, 27
RGB Percent	0%, 89%, 11%
CMY	1.0000, 0.1059, 0.8941
CMYK	1.00, 0.00, 0.88, 0.11
HSL	127°, 100%, 45%
HSV	127°, 100%, 89%
XYZ	27.9412, 55.5659, 10.2896
YIQ	136.9140, -71.3670, -110.8470

Conversions

Conversions Part 2

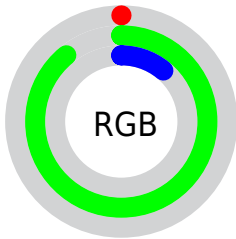
Format	Color
RYB	0, 204, 228
Decimal	58395
CIELab	79.37, -78.60, 73.33
CIELCh	79, 107.494, 136.989
Yxy	55.5659, 0.2979, 0.5924
Android (android.graphics.Color)	4278248475 (0xFF00E41B)
YUV	136.9140, -54.1876, -120.0736
Hunter-Lab	74.5425, -63.5413, 43.9956

Details

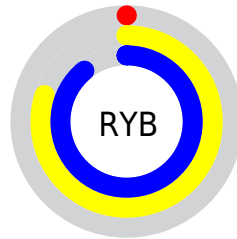
The XYZ color **27.9412, 55.5659, 10.2896** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **42.5375, 20.7112, 57.0071**, and the grayscale version is **23.9647, 25.2127, 27.4566**.

A 20% lighter version of the original color is **44.5076, 75.7910, 23.1098**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **27.9425, 55.5682, 10.2909**, and if you desaturate by 10%, it is **28.6087, 55.8750, 11.9785**.

Distribution



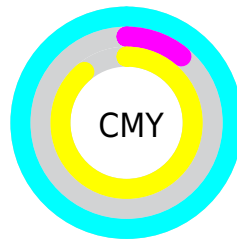
- Red (0%)
- Green (89%)
- Blue (11%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9412, 55.5659, 10.2896 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 27.9412, 55.5659, 10.2896 by changing the saturation by 10% instead.

■ 27.9412, 55.5659,
10.2896

■ 27.9412, 55.5659,
10.2896

284.2710,
408.0535, 203.2860

■ 18.4216, 39.8550,
5.4833

■ 55.7999, 98.3696,
26.9551

■ 11.3546, 27.4255,
2.4699

■ 74.8696, 126.2312,
39.6513

■ 6.3749, 17.8930,
0.8241

■ 97.8534, 158.9117,
55.8147

■ 3.1172, 10.8732,
0.0000

■ 125.1166,
196.7957, 75.8636

■ 1.2160, 5.9816,
0.0000

■ 157.0247,
240.2675, 100.2166

■ 0.1190, 2.8339,
0.0000

■ 193.9428,

■ 0.0000, 1.0457,

289.7114, 129.2923

0.0000

236.2365,
345.5120, 163.5093

■ 0.0000, 0.0000,
0.0000

■ 27.9412, 55.5659,
10.2896

■ 27.9412, 55.5659,
10.2896

■ 27.9425, 55.5682,
10.2909

■ 28.6087, 55.8750,
11.9785

■ 29.8728, 56.4684,
14.6688

■ 31.8896, 57.4257,
18.4873

■ 34.7543, 58.7936,
23.5401

■ 38.5483, 60.6122,
29.9209

■ 43.3430, 62.9164,
37.7144

■ 49.2031, 65.7380,
46.9984

■ 56.1875, 69.1057,
57.8449

■ 64.3510, 73.0465,
70.3211

Harmonies

Analogous

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



41.6092, 55.5659, 3.1847



27.9412, 55.5659, 10.2896



21.8567, 55.5659, 37.5253

Triad

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



27.9412, 55.5659, 10.2896



44.0237, 55.5659, 265.3949



103.1745, 55.5659, 32.0324

Complementary

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



27.9412, 55.5659, 10.2896



42.5375, 20.7112, 57.0071

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.



104.3419, 55.5659, 91.3430



27.9412, 55.5659, 10.2896



65.8681, 55.5659, 259.7244

Square

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



27.9412, 55.5659, 10.2896



29.2924, 55.5659, 195.3557



89.2725, 55.5659, 182.9088



86.4184, 55.5659, 8.6036

Rectangle

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



27.9412, 55.5659, 10.2896



21.4396, 55.5659, 76.1182



89.2725, 55.5659, 182.9088



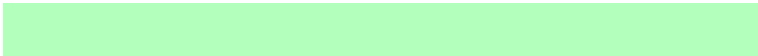
105.5367, 55.5659, 47.1822

Sweetspot

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



27.9425, 55.5682, 10.2909



63.2652, 84.6563, 60.3369



51.9405, 67.9625, 10.3805



12.8210, 17.7729, 11.7799



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.



27.9425, 55.5682, 10.2909



35.9971, 71.6148, 13.1685



32.5227, 57.4003, 34.4097



14.2584, 16.1168, 15.6257



16.1568, 32.0948, 6.0601



1.2169, 2.3809, 0.5689

Inverse Universe

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



42.5375, 20.7112, 57.0071



54.8014, 26.6846, 73.3435



33.7329, 17.1893, 10.6430



14.9177, 14.5843, 17.7671



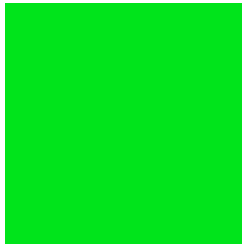
24.5908, 11.9705, 33.0698



1.8381, 0.8929, 2.5538

Previews

White Background



This preview shows how the XYZ color 27.9412, 55.5659, 10.2896 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 27.9412, 55.5659, 10.2896 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 27.9412, 55.5659, 10.2896

Background



This preview shows how black text looks on a background with the XYZ color 27.9412, 55.5659, 10.2896.



This preview shows how white text looks on a background with the XYZ color 27.9412, 55.5659,

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

27.9412, 55.5659, 10.2896

Protanopia

49.1096, 54.2776, 8.3037

Deuteranopia

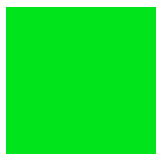
55.3468, 54.2069, 11.1603



Tritanopia

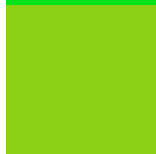
42.4057, 55.1770, 82.5440

Trichromacy



Original Color

27.9412, 55.5659, 10.2896



Protanomaly

33.2456, 50.2481, 8.5627



Deuteranomaly

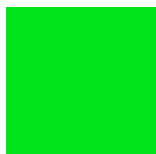
34.8779, 48.9313, 10.0891



Tritanomaly

32.9356, 53.5038, 40.0439

Monochromacy



Original Color

27.9412, 55.5659, 10.2896



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.4629, 31.6388, 16.3376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9412, 55.5659, 10.2896 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, 228, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 27)  
}
```

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, 228, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 27) }
```

Border

The CSS property to change the border of an element to XYZ 27.9412, 55.5659, 10.2896 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, 228, 27) }
```


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

```
.border{ border-color:rgb(0, 228, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 228, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9412, 55.5659, 10.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 27) }
```

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

```
.background{ background-color: rgb(0, 228,  
27) }
```

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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