

Converting Colors

XYZ(27.9114, 52.9077, 17.7505)

Have a look what the booklet for
XYZ(27.9114, 52.9077, 17.7505)
contains.

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Color

**XYZ(27.9542, 52.9887,
17.7713)**

Conversions

Conversions Part 1

Format	Color
Hex	09DE57
RGB	9, 222, 87
RGB Percent	4%, 87%, 34%
CMY	0.9647, 0.1294, 0.6588
CMYK	0.96, 0.00, 0.61, 0.13
HSL	142°, 92%, 45%
HSV	142°, 96%, 87%
XYZ	27.9542, 52.9887, 17.7713
YIQ	142.9230, -83.6130, -87.1410

Conversions

Conversions Part 2

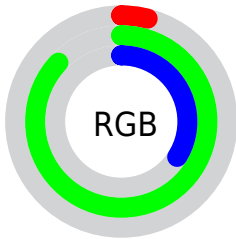
Format	Color
RYB	9, 165, 222
Decimal	646743
CIELab	77.87, -72.09, 52.54
CIELCh	78, 89.209, 143.915
Yxy	52.9887, 0.2832, 0.5368
Android (android.graphics.Color)	4278836823 (0xFF09DE57)
YUV	142.9230, -27.5700, -117.4505
Hunter-Lab	72.7933, -58.8405, 36.4807

Details

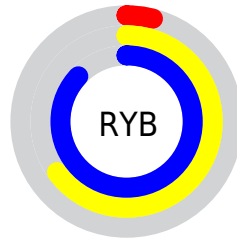
The XYZ color **27.9542, 52.9887, 17.7713** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **35.2577, 17.7395, 27.9540**, and the grayscale version is **26.2098, 27.5748, 30.0289**.

A 20% lighter version of the original color is **46.8744, 76.6943, 37.5322**, and **13.7025, 27.0092, 5.7874** is the 20% darker color. If you saturate the color by 10%, you get **27.6186, 52.8431, 16.5868**, and if you desaturate by 10%, it is **29.0462, 53.4801, 21.1229**.

Distribution



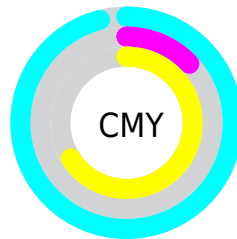
- Red (4%)
- Green (87%)
- Blue (34%)



- Red (4%)
- Yellow (65%)
- Blue (87%)



- Cyan (96%)
- Magenta (0%)
- Yellow (61%)
- Black (13%)




- Cyan (96%)
- Magenta (13%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9542, 52.9887, 17.7713 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 27.9542, 52.9887, 17.7713 by changing the saturation by 10% instead.


 27.9542, 52.9887,
17.7713


 27.9542, 52.9887,
17.7713


284.3321,
398.2418, 251.7715


 18.4314, 37.7937,
10.6182


 55.8205, 94.5877,
40.4559


 11.3617, 25.8227,
5.6998


 74.8947, 121.7606,
56.8245


 6.3798, 16.6910,
2.5976


 97.8834, 153.6949,
77.1019

 3.1202, 10.0144,
0.8912

 125.1519,
190.7751, 101.7068

 1.2176, 5.4085,
0.0000

 157.0657,
233.3854, 131.0577

 0.1202, 2.4889,
0.0000

193.9901,

 0.0000, 0.8711,

281.9104, 165.5730

0.0000

236.2904,
336.7344, 205.6715

■ 0.0000, 0.0000,
0.0000

■ 27.9542, 52.9887,
17.7713

■ 27.9542, 52.9887,
17.7713

■ 27.6186, 52.8431,
16.5868

■ 29.0462, 53.4801,
21.1229

■ 30.7149, 54.2537,
25.1168

■ 33.0486, 55.3558,
29.7873

■ 36.1183, 56.8225,
35.1650

■ 39.9856, 58.6848,
41.2787

■ 44.7052, 60.9705,
48.1551

■ 50.3266, 63.7046,
55.8198

■ 56.8957, 66.9103,
64.2971

■ 64.4550, 70.6089,
73.6103

Harmonies

Analogous

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



38.0306, 52.9887, 7.0450



27.9542, 52.9887, 17.7713



23.9702, 52.9887, 48.1614

Triad

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



27.9542, 52.9887, 17.7713



46.9147, 52.9887, 214.0646



87.3682, 52.9887, 27.0179

Complementary

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



27.9542, 52.9887, 17.7713



35.2577, 17.7395, 27.9540

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.



91.2833, 52.9887, 68.4119



27.9542, 52.9887, 17.7713



65.1118, 52.9887, 196.2413

Square

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



27.9542, 52.9887, 17.7713



33.1807, 52.9887, 174.2446



82.3683, 52.9887, 134.1073



72.6437, 52.9887, 9.8389

Rectangle

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



27.9542, 52.9887, 17.7713



24.4549, 52.9887, 83.8150



82.3683, 52.9887, 134.1073



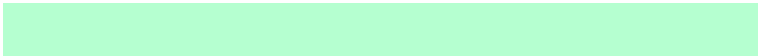
90.1141, 52.9887, 37.6590

Sweetspot

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



27.9555, 52.9909, 17.7725



66.2289, 85.9103, 72.8499



38.2860, 58.5095, 9.5342



13.4729, 18.0465, 14.6319



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.



27.9555, 52.9909, 17.7725



37.7526, 72.3170, 22.4128



35.5352, 56.0228, 57.6869



13.7352, 15.4198, 15.6409



16.4533, 31.4062, 10.1098



1.1825, 2.1937, 0.9224

Inverse Universe

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



35.2577, 17.7395, 27.9540



47.7280, 23.8552, 36.0954



30.6226, 15.8855, 3.5460



14.0709, 13.8460, 16.1438



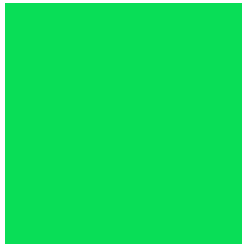
20.7911, 10.3834, 16.0976



1.4837, 0.7368, 1.3403

Previews

White Background



This preview shows how the XYZ color 27.9542, 52.9887, 17.7713 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 27.9542, 52.9887, 17.7713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

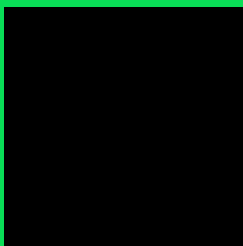
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

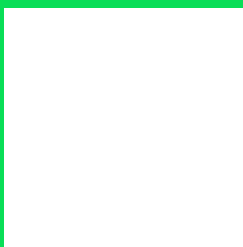
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9542, 52.9887, 17.7713

Background



This preview shows how black text looks on a background with the XYZ color 27.9542, 52.9887, 17.7713.



This preview shows how white text looks on a background with the XYZ color 27.9542, 52.9887,

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

27.9542, 52.9887, 17.7713

Protanopia

47.1573, 51.8087, 14.7224

Deuteranopia

52.9118, 51.8492, 19.0235



Tritanopia

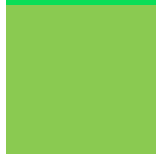
40.2663, 52.6718, 79.2786

Trichromacy



Original Color

27.9542, 52.9887, 17.7713



Protanomaly

33.0870, 48.2384, 15.3517



Deuteranomaly

34.9807, 47.4341, 18.1385



Tritanomaly

33.3956, 51.6443, 48.7657

Monochromacy



Original Color

27.9542, 52.9887, 17.7713



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.9438, 33.3148, 23.9600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9542, 52.9887, 17.7713 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(9, 222, 87)` looks like.

```
.text, #text, p{  
    color:rgb(9, 222, 87)  
}
```

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(9, 222, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 222, 87) }
```

Border

The CSS property to change the border of an element to XYZ 27.9542, 52.9887, 17.7713 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(9, 222, 87) }
```


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

```
.border{ border-color:rgb(9, 222, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 222, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 222, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 222, 87);  
box-shadow:4px 4px 4px 4px rgb(9, 222, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9542, 52.9887, 17.7713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 222, 87) }
```

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

```
.background{ background-color: rgb(9, 222,  
87) }
```

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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