

Converting Colors

XYZ(29.8402, 56.9887, 18.2450)

Have a look what the booklet for
XYZ(29.8402, 56.9887, 18.2450)
contains.

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Color

**XYZ(29.9765, 57.2655,
18.2775)**

Conversions

Conversions Part 1	
Format	Color
Hex	00E656
RGB	0, 230, 86
RGB Percent	0%, 90%, 34%
CMY	1.0000, 0.0980, 0.6627
CMYK	1.00, 0.00, 0.63, 0.10
HSL	142°, 100%, 45%
HSV	142°, 100%, 90%
XYZ	29.9765, 57.2655, 18.2775
YIQ	144.8140, -90.8560, -93.5440

Conversions

Conversions Part 2

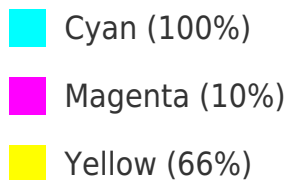
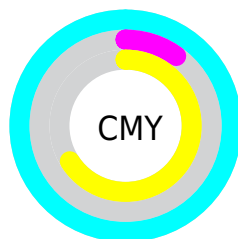
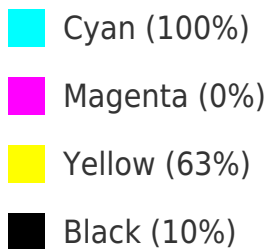
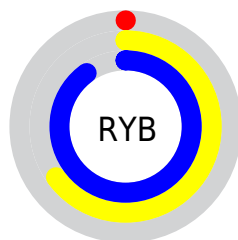
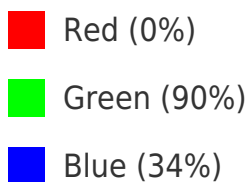
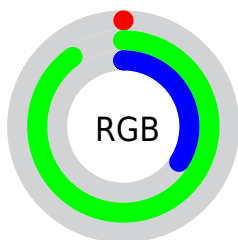
Format	Color
RYB	0, 167, 230
Decimal	58966
CIELab	80.33, -74.87, 55.76
CIELCh	80, 93.348, 143.323
Yxy	57.2655, 0.2841, 0.5427
Android (android.graphics.Color)	4278249046 (0xFF00E656)
YUV	144.8140, -28.9953, -127.0019
Hunter-Lab	75.6740, -61.7208, 38.6515

Details

The XYZ color **29.9765, 57.2655, 18.2775** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **37.6689, 18.8375, 28.0382**, and the grayscale version is **26.9801, 28.3852, 30.9115**.

A 20% lighter version of the original color is **46.9240, 76.7284, 37.1479**, and **15.1532, 29.9710, 6.0849** is the 20% darker color. If you saturate the color by 10%, you get **29.9777, 57.2678, 18.2781**, and if you desaturate by 10%, it is **30.9713, 57.7060, 21.6655**.


Distribution




Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9765, 57.2655, 18.2775 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 29.9765, 57.2655, 18.2775 by changing the saturation by 10% instead.


 29.9765, 57.2655,
18.2775


 29.9765, 57.2655,
18.2775


293.7067,
414.4434, 254.7190


 19.9687, 41.2184,
10.9779


 59.0119, 100.8525,
41.3299


 12.4805, 28.4898,
5.9380


 78.7702, 129.1612,
57.9198


 7.1463, 18.6952,
2.7392


 102.5095,
162.3259, 78.4436

 3.6009, 11.4503,
0.9631

 130.5950,
200.7310, 103.3197

 1.4789, 6.3705,
0.0000

 163.3921,
244.7610, 132.9668

 0.3114, 3.0717,
0.0000


201.2662,


 0.0000, 1.1693,

294.8001, 167.8033


0.0000


244.5826,
351.2328, 208.2479


 0.0000, 0.0364,
0.0000


 0.0000, 0.0000,
0.0000


 29.9765, 57.2655,
18.2775


 29.9765, 57.2655,
18.2775


 29.9777, 57.2678,
18.2781


 30.9713, 57.7060,
21.6655

 32.5082, 58.4102,
25.7218


 34.7287, 59.4517,
30.4854


 37.7162, 60.8731,
35.9896

 41.5412, 62.7100,
42.2651

 46.2659, 64.9940,
49.3411

 51.9464, 67.7533,
57.2449

 58.6341, 71.0140,
66.0026

 66.3764, 74.8001,
75.6391

Harmonies

Analogous

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



41.1503, 57.2655, 7.0640



29.9765, 57.2655, 18.2775



25.5034, 57.2655, 50.9096

Triad

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



29.9765, 57.2655, 18.2775



50.2714, 57.2655, 235.9150



95.5783, 57.2655, 29.3031

Complementary

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



29.9765, 57.2655, 18.2775



37.6689, 18.8375, 28.0382

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.



99.6382, 57.2655, 75.3929



29.9765, 57.2655, 18.2775



70.2954, 57.2655, 217.2991

Square

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



29.9765, 57.2655, 18.2775



35.3146, 57.2655, 190.3937



89.4992, 57.2655, 148.5916



79.4327, 57.2655, 10.3301

Rectangle

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



29.9765, 57.2655, 18.2775



25.9519, 57.2655, 89.8534



89.4992, 57.2655, 148.5916



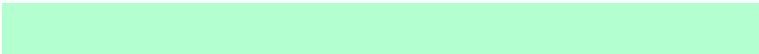
98.5364, 57.2655, 41.1273

Sweetspot

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



29.9779, 57.2678, 18.2788



65.5103, 85.5543, 72.1592



40.0936, 62.6768, 9.9848



13.3399, 17.9805, 14.5124



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.



29.9779, 57.2678, 18.2788



37.8414, 72.3526, 22.8804



38.6460, 60.7351, 63.9247



14.4111, 16.1779, 16.4295



17.0255, 32.4423, 10.6345



1.3020, 2.4149, 1.0167

Inverse Universe

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



37.6689, 18.8375, 28.0382



47.5548, 23.7859, 35.1834



32.8775, 16.9210, 2.8070



14.7546, 14.5190, 16.9081



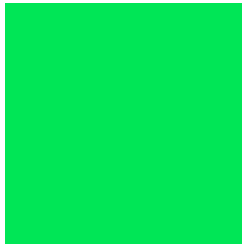
21.3862, 10.6887, 16.1943



1.6250, 0.8077, 1.4318

Previews

White Background



This preview shows how the XYZ color 29.9765, 57.2655, 18.2775 looks on a white background.

Color Contrast Check

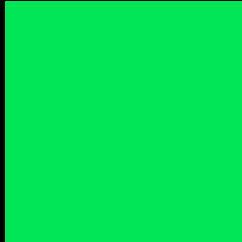
Large Text (above 18pt) WCAG AA × Fail

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 29.9765, 57.2655, 18.2775 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 29.9765, 57.2655, 18.2775

Background



This preview shows how black text looks on a background with the XYZ color 29.9765, 57.2655, 18.2775.



This preview shows how white text looks on a background with the XYZ color 29.9765, 57.2655,

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

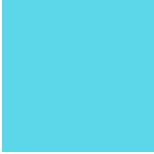
29.9765, 57.2655, 18.2775

Protanopia

51.0488, 56.1396, 15.1666

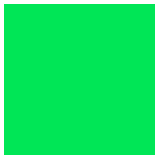
Deuteranopia

57.1975, 55.9220, 19.5838



Tritanopia
43.4221, 56.7594, 85.7579

Trichromacy



Original Color
29.9765, 57.2655, 18.2775



Protanomaly
35.3098, 52.2478, 15.8132

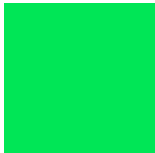


Deuteranomaly
36.8939, 50.4886, 18.3904



Tritanomaly
35.6351, 55.4115, 51.9973

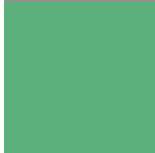
Monochromacy



Original Color
29.9765, 57.2655, 18.2775



Achromatopsia
26.9133, 28.3149, 30.8349



Achromatomaly
23.5771, 34.7812, 24.5396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9765, 57.2655, 18.2775 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, 230, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 86)  
}
```

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, 230, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 86) }
```

Border

The CSS property to change the border of an element to XYZ 29.9765, 57.2655, 18.2775 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, 230, 86) }
```


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

```
.border{ border-color:rgb(0, 230, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.9765, 57.2655, 18.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 86) }
```

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

```
.background{ background-color: rgb(0, 230,  
86) }
```

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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