

# Converting Colors

XYZ(29.3804, 54.5734, 22.7026)

Have a look what the booklet for  
XYZ(29.3804, 54.5734, 22.7026)  
contains.

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# Color

**XYZ(29.2572, 54.3519,  
22.5846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E06A
RGB	0, 224, 106
RGB Percent	0%, 88%, 42%
CMY	0.9999, 0.1216, 0.5843
CMYK	1.00, 0.00, 0.53, 0.12
HSL	148°, 100%, 44%
HSV	148°, 100%, 88%
XYZ	29.2572, 54.3519, 22.5846
YIQ	143.5720, -95.6260, -84.1860

# Conversions

## Conversions Part 2

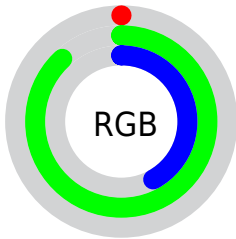
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 152, 224
Decimal	57450
CIELab	78.67, -70.45, 44.83
CIELCh	79, 83.500, 147.529
Yxy	54.3519, 0.2755, 0.5118
Android (android.graphics.Color)	4278247530 (0xFF00E06A)
YUV	143.5720, -18.5230, -125.9126
Hunter-Lab	73.7237, -58.1790, 33.4437

# Details

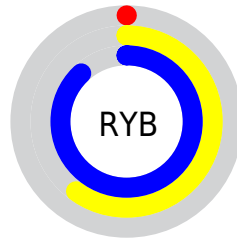
The XYZ color **29.2572, 54.3519, 22.5846** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.0128, 17.1566, 18.6633**, and the grayscale version is **26.4394, 27.8163, 30.2919**.

A 20% lighter version of the original color is **48.1686, 77.1839, 45.6169**, and **14.4846, 27.9038, 8.1126** is the 20% darker color. If you saturate the color by 10%, you get **29.2579, 54.3538, 22.5836**, and if you desaturate by 10%, it is **30.2552, 54.7920, 26.0599**.

# Distribution



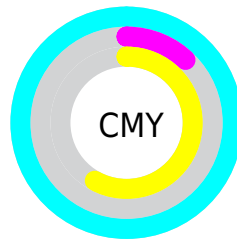
- Red (0%)
- Green (88%)
- Blue (42%)



- Red (0%)
- Yellow (60%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (12%)



- Cyan (100%)
- Magenta (12%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2572, 54.3519, 22.5846 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 29.2572, 54.3519, 22.5846 by changing the saturation by 10% instead.





 29.2572, 54.3519,  
22.5846


 29.2572, 54.3519,  
22.5846


290.3989,  
403.4505, 278.6366

 19.4207, 38.8831,  
14.0847


 57.8802, 96.5907,  
48.6248


 12.0805, 26.6688,  
8.0402

 77.3975, 124.1295,  
67.0023


 6.8711, 17.3246,  
4.0325


 100.8724,  
156.4604, 89.5092

 3.4272, 10.4662,  
1.6432

 128.6703,  
193.9679, 116.5643

 1.3835, 5.7091,  
0.3214

 161.1565,  
237.0362, 148.5861

 0.2444, 2.6690,  
0.0000

198.6965,

 0.0000, 0.9615,

286.0498, 185.9930

0.0000

241.6555,  
341.3931, 229.2037

■ 0.0000, 0.0000,  
0.0000

■ 29.2572, 54.3519,  
22.5846

■ 29.2572, 54.3519,  
22.5846

■ 29.2579, 54.3538,  
22.5836

■ 30.2552, 54.7920,  
26.0599

■ 31.7336, 55.4682,  
30.0142

■ 33.8242, 56.4495,  
34.4710

■ 36.6028, 57.7746,  
39.4490

■ 40.1331, 59.4761,  
44.9657

■ 44.4716, 61.5827,  
51.0376

■ 49.6687, 64.1203,  
57.6806

■ 55.7709, 67.1124,  
64.9097

■ 62.8210, 70.5809,  
72.7394

# Harmonies

## Analogous

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



38.3442, 54.3519, 9.6508



29.2572, 54.3519, 22.5846



26.0116, 54.3519, 55.3504

# Triad

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



29.2572, 54.3519, 22.5846



50.3048, 54.3519, 204.2028



85.1951, 54.3519, 26.3438

# Complementary

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



29.2572, 54.3519, 22.5846



34.0128, 17.1566, 18.6633

# 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.



90.2635, 54.3519, 63.1823



29.2572, 54.3519, 22.5846



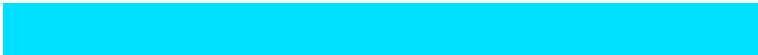
67.7483, 54.3519, 181.7870

# Square

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



29.2572, 54.3519, 22.5846



36.4356, 54.3519, 173.6383



83.3010, 54.3519, 122.5605



70.6251, 54.3519, 10.8673



# Rectangle

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



29.2572, 54.3519, 22.5846



26.9357, 54.3519, 90.9682



83.3010, 54.3519, 122.5605



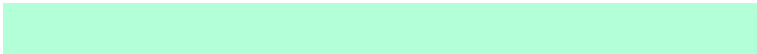
88.1860, 54.3519, 35.8223

# Sweetspot

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



29.2585, 54.3541, 22.5858



66.4621, 85.9351, 77.1713



34.3300, 57.2691, 9.2451



13.5633, 18.0699, 15.6891



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

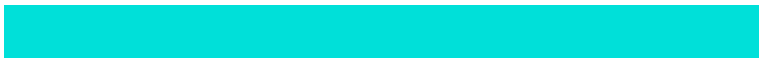
The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.2585, 54.3541, 22.5858



39.1905, 72.8922, 29.9848



39.1211, 58.2991, 74.5216



13.7974, 15.4447, 15.9686



17.0868, 31.6596, 13.4461



1.2294, 2.2125, 1.1690



# Inverse Universe

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



34.0128, 17.1566, 18.6633



45.5667, 22.9907, 24.7140



30.7828, 15.8646, 1.6546



14.0074, 13.8206, 15.8092



19.8554, 10.0092, 11.1703

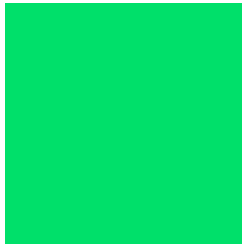


1.4214, 0.7118, 1.0121



# Previews

## White Background



This preview shows how the XYZ color 29.2572, 54.3519, 22.5846 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 29.2572, 54.3519, 22.5846 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 29.2572, 54.3519, 22.5846**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.2572, 54.3519, 22.5846.



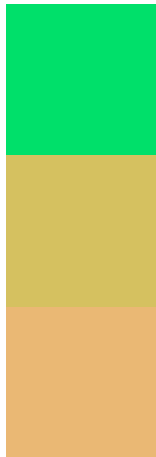
This preview shows how white text looks on a background with the XYZ color 29.2572, 54.3519,



# 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

29.2572, 54.3519, 22.5846

### Protanopia

48.6219, 53.1306, 18.7589

### Deuteranopia

54.2246, 53.0344, 23.9017



## Tritanopia

41.2283, 54.2162, 81.6906

# Trichromacy



## Original Color

29.2572, 54.3519, 22.5846



## Protanomaly

34.0465, 49.3401, 19.7857



## Deuteranomaly

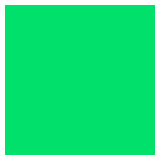
35.7425, 48.4063, 22.7887



## Tritanomaly

34.7831, 53.3847, 53.8184

# Monochromacy



## Original Color

29.2572, 54.3519, 22.5846



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

23.3865, 33.7742, 26.4056

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.2572, 54.3519, 22.5846 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 29.2572, 54.3519, 22.5846 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, 106) }
```



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

```
.border{ border-color:rgb(0, 224, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.2572, 54.3519, 22.5846 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, 106) }
```

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

```
.background{ background-color: rgb(0, 224,  
106) }
```

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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