

Converting Colors

XYZ(29.1113, 54.4658, 21.2854)

Have a look what the booklet for
XYZ(29.1113, 54.4658, 21.2854)
contains.

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Color

**XYZ(29.0046, 54.2509,
21.2547)**

Conversions

Conversions Part 1

Format	Color
Hex	00E065
RGB	0, 224, 101
RGB Percent	0%, 88%, 40%
CMY	1.0000, 0.1216, 0.6039
CMYK	1.00, 0.00, 0.55, 0.12
HSL	147°, 100%, 44%
HSV	147°, 100%, 88%
XYZ	29.0046, 54.2509, 21.2547
YIQ	143.0020, -94.0210, -85.7410

Conversions

Conversions Part 2

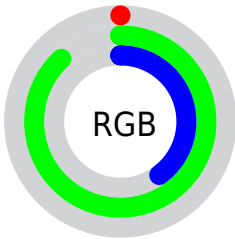
Format	Color
RYB	0, 154, 224
Decimal	57445
CIELab	78.61, -71.17, 47.10
CIELCh	79, 85.341, 146.504
Yxy	54.2509, 0.2775, 0.5191
Android (android.graphics.Color)	4278247525 (0xFF00E065)
YUV	143.0020, -20.7070, -125.4128
Hunter-Lab	73.6552, -58.6053, 34.4493

Details

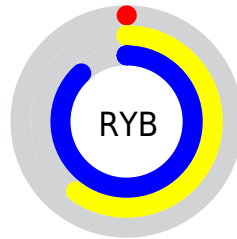
The XYZ color **29.0046, 54.2509, 21.2547** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.3174, 17.2783, 20.2678**, and the grayscale version is **26.2179, 27.5833, 30.0382**.

A 20% lighter version of the original color is **47.8607, 77.0747, 43.3647**, and **14.3731, 27.8592, 7.5256** is the 20% darker color. If you saturate the color by 10%, you get **29.0056, 54.2530, 21.2549**, and if you desaturate by 10%, it is **29.9944, 54.6878, 24.6876**.

Distribution



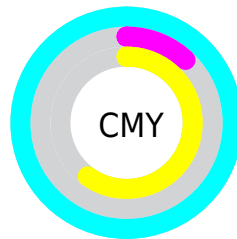
- Red (0%)
- Green (88%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0046, 54.2509, 21.2547 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 29.0046, 54.2509, 21.2547 by changing the saturation by 10% instead.


 29.0046, 54.2509,
21.2547


 29.0046, 54.2509,
21.2547


289.2305,
403.0660, 271.4544


 19.2286, 38.8023,
13.1173


 57.4819, 96.4425,
46.3973


 11.9406, 26.6060,
7.3777


 76.9139, 123.9544,
64.2396


 6.7751, 17.2775,
3.6174


 100.2953,
156.2560, 86.1538

 3.3669, 10.4325,
1.4179

 127.9914,
193.7319, 112.5587

 1.3506, 5.6867,
0.1556

 160.3677,
236.7665, 143.8726

 0.2206, 2.6555,
0.0000

197.7893,

 0.0000, 0.9547,

285.7441, 180.5142

0.0000

240.6218,
341.0492, 222.9019

■ 0.0000, 0.0000,
0.0000

■ 29.0046, 54.2509,
21.2547

■ 29.0046, 54.2509,
21.2547

■ 29.0056, 54.2530,
21.2549

■ 29.9944, 54.6878,
24.6876

■ 31.4709, 55.3631,
28.6326

■ 33.5663, 56.3463,
33.1155

■ 36.3568, 57.6761,
38.1573

■ 39.9067, 59.3854,
43.7778

■ 44.2725, 61.5030,
49.9956

■ 49.5054, 64.0549,
56.8282

■ 55.6520, 67.0647,
64.2926

■ 62.7555, 70.5545,
72.4050

Harmonies

Analogous

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



38.4244, 54.2509, 8.8839



29.0046, 54.2509, 21.2547



25.5307, 54.2509, 53.5944

Triad

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



29.0046, 54.2509, 21.2547



49.6147, 54.2509, 208.3501



86.2991, 54.2509, 26.6039

Complementary

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



29.0046, 54.2509, 21.2547



34.3174, 17.2783, 20.2678

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.



91.0963, 54.2509, 64.9064



29.0046, 54.2509, 21.2547



67.4017, 54.2509, 186.9501

Square

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



29.0046, 54.2509, 21.2547



35.6817, 54.2509, 175.0249



83.5459, 54.2509, 126.4333



71.5729, 54.2509, 10.5808

Rectangle

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



29.0046, 54.2509, 21.2547



26.3361, 54.2509, 89.5163



83.5459, 54.2509, 126.4333



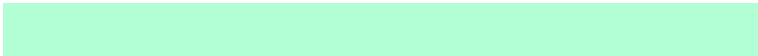
89.2479, 54.2509, 36.4526

Sweetspot

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



29.0059, 54.2531, 21.2559



66.2443, 85.8479, 76.0246



34.8546, 57.5396, 9.2694



13.5121, 18.0494, 15.4191



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.



29.0059, 54.2531, 21.2559



38.8531, 72.7572, 28.2079



38.6422, 58.1076, 71.9997



13.7844, 15.4395, 15.8999



16.9390, 31.6004, 12.6675



1.2188, 2.2082, 1.1132

Inverse Universe

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



34.3174, 17.2783, 20.2678



45.9755, 23.1542, 26.8667



30.8034, 15.8727, 1.7632



14.0206, 13.8259, 15.8786



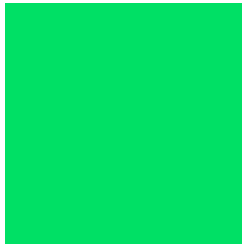
20.0331, 10.0802, 12.1058



1.4335, 0.7167, 1.0759

Previews

White Background



This preview shows how the XYZ color 29.0046, 54.2509, 21.2547 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 29.0046, 54.2509, 21.2547 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 29.0046, 54.2509, 21.2547

Background



This preview shows how black text looks on a background with the XYZ color 29.0046, 54.2509, 21.2547.

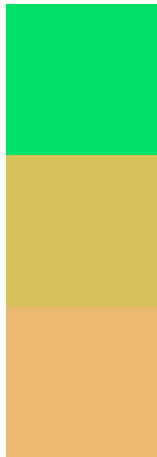


This preview shows how white text looks on a background with the XYZ color 29.0046, 54.2509,

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

29.0046, 54.2509, 21.2547

Protanopia

48.6898, 53.1914, 17.5983

Deuteranopia

54.3261, 53.1130, 22.7178



Tritanopia

41.2283, 54.2162, 81.6906

Trichromacy



Original Color

29.0046, 54.2509, 21.2547



Protanomaly

33.8118, 49.2462, 18.5499



Deuteranomaly

35.7079, 48.4136, 21.6501



Tritanomaly

34.5749, 53.3014, 52.7219

Monochromacy



Original Color

29.0046, 54.2509, 21.2547



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.9632, 33.2877, 25.6370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0046, 54.2509, 21.2547 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 101) }
```

Border

The CSS property to change the border of an element to XYZ 29.0046, 54.2509, 21.2547 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, 101) }
```


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

```
.border{ border-color:rgb(0, 224, 101) }
```

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, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0046, 54.2509, 21.2547 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, 101) }
```

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

```
.background{ background-color: rgb(0, 224,  
101) }
```

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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