

Converting Colors

XYZ(29.9169, 56.0247, 16.3697)

Have a look what the booklet for
XYZ(29.9169, 56.0247, 16.3697)
contains.

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Color

**XYZ(29.9264, 56.0461,
16.4484)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE34E
RGB	45, 227, 78
RGB Percent	18%, 89%, 31%
CMY	0.8235, 0.1098, 0.6941
CMYK	0.80, 0.00, 0.66, 0.11
HSL	131°, 76%, 53%
HSV	131°, 80%, 89%
XYZ	29.9264, 56.0461, 16.4484
YIQ	155.5960, -60.6430, -84.9230

Conversions

Conversions Part 2

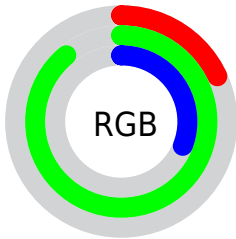
Format	Color
RYB	45, 199, 227
Decimal	3007310
CIELab	79.64, -72.09, 58.38
CIELCh	80, 92.762, 140.998
Yxy	56.0461, 0.2922, 0.5472
Android (android.graphics.Color)	4281197390 (0xFF2DE34E)
YUV	155.5960, -38.2548, -96.9927
Hunter-Lab	74.8639, -59.6576, 39.3781

Details

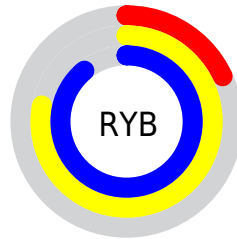
The XYZ color **29.9264, 56.0461, 16.4484** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **42.3559, 22.1035, 53.0733**, and the grayscale version is **31.6054, 33.2514, 36.2107**.

A 20% lighter version of the original color is **48.1620, 77.4244, 34.5963**, and **14.4474, 28.7785, 5.1741** is the 20% darker color. If you saturate the color by 10%, you get **28.6081, 55.4345, 13.3872**, and if you desaturate by 10%, it is **31.9719, 57.0140, 20.5287**.

Distribution



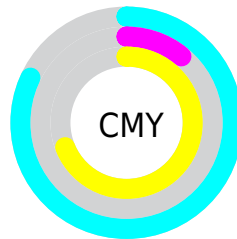
- Red (18%)
- Green (89%)
- Blue (31%)



- Red (18%)
- Yellow (78%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)





- Cyan (82%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9264, 56.0461, 16.4484 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 29.9264, 56.0461, 16.4484 by changing the saturation by 10% instead.


 29.9264, 56.0461,
16.4484


 29.9264, 56.0461,
16.4484


293.4772,
409.8652, 243.9087

 19.9305, 40.2399,
9.6842


 58.9332, 99.0720,
38.1525


 12.4525, 27.7256,
5.0872


 78.6748, 127.0604,
53.9295


 7.1270, 18.1189,
2.2389


 102.3957,
159.8784, 73.5478

 3.5887, 11.0354,
0.6967

 130.4613,
197.9103, 97.4260

 1.4722, 6.0907,
0.0000

 163.2369,
241.5406, 125.9827

 0.3068, 2.9003,
0.0000

201.0878,

 0.0000, 1.0799,

291.1535, 159.6363

0.0000

244.3795,
347.1336, 198.8055

■ 0.0000, 0.0000,
0.0000

■ 29.9264, 56.0461,
16.4484

■ 29.9264, 56.0461,
16.4484

■ 28.6081, 55.4345,
13.3872

■ 31.9719, 57.0140,
20.5287

■ 27.8733, 55.1016,
11.2794

■ 34.8303, 58.3760,
25.7038

■ 38.5796, 60.1723,
32.0465

■ 43.2870, 62.4363,
39.6223

■ 49.0135, 65.1980,
48.4917

■ 55.8147, 68.4850,
58.7114

■ 63.7423, 72.3228,
70.3346

■ 72.8447, 76.7352,
83.4115

■ 83.1672, 81.7447,
97.9901

Harmonies

Analogous

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



41.3954, 56.0461, 6.5322



29.9264, 56.0461, 16.4484



25.0615, 56.0461, 46.2869

Triad

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



29.9264, 56.0461, 16.4484



47.8392, 56.0461, 229.7289



94.3892, 56.0461, 31.0599

Complementary

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



29.9264, 56.0461, 16.4484



42.3559, 22.1035, 53.0733

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.



97.2661, 56.0461, 78.5993



29.9264, 56.0461, 16.4484



67.2229, 56.0461, 216.5104

Square

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



29.9264, 56.0461, 16.4484



33.6922, 56.0461, 181.1463



86.3875, 56.0461, 151.4954



79.2581, 56.0461, 10.8802

Rectangle

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



29.9264, 56.0461, 16.4484



25.1933, 56.0461, 82.8560



86.3875, 56.0461, 151.4954



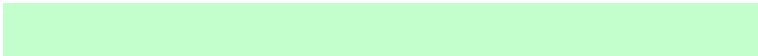
96.9416, 56.0461, 43.4104

Sweetspot

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



29.9277, 56.0484, 16.4497



68.9639, 87.3657, 70.9214



50.8836, 66.9557, 12.7246



14.0902, 18.3757, 14.1698



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.



29.9277, 56.0484, 16.4497



36.5675, 71.8577, 15.5058



35.4663, 58.2638, 45.6152



14.2955, 16.1316, 15.8209



16.2858, 32.1464, 6.7394



1.2345, 2.3879, 0.6614

Inverse Universe

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



42.3559, 22.1035, 53.0733



53.0597, 26.1650, 63.6253



35.2026, 19.2421, 15.4043



14.8771, 14.5680, 17.5531



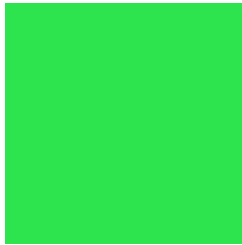
23.6736, 11.6037, 28.2399



1.7787, 0.8692, 2.2413

Previews

White Background



This preview shows how the XYZ color 29.9264, 56.0461, 16.4484 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 29.9264, 56.0461, 16.4484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

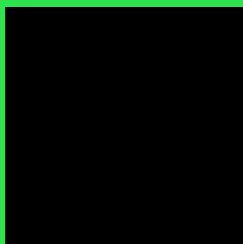
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9264, 56.0461, 16.4484

Background



This preview shows how black text looks on a background with the XYZ color 29.9264, 56.0461, 16.4484.

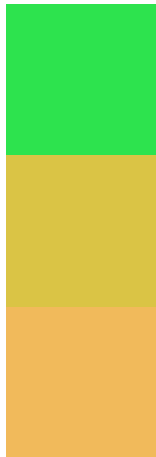


This preview shows how white text looks on a background with the XYZ color 29.9264, 56.0461,

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

29.9264, 56.0461, 16.4484

Protanopia

49.7275, 54.8150, 13.5896

Deuteranopia

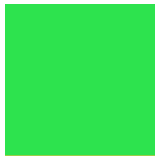
55.7229, 54.5739, 17.4944



Tritanopia

43.0819, 55.5095, 83.3067

Trichromacy



Original Color

29.9264, 56.0461, 16.4484



Protanomaly

37.0001, 52.0621, 14.2298



Deuteranomaly

39.1439, 50.9912, 16.5833



Tritanomaly

35.8590, 54.4263, 49.1728

Monochromacy



Original Color

29.9264, 56.0461, 16.4484



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.8267, 38.7274, 26.4306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9264, 56.0461, 16.4484 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(45, 227, 78)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 78)  
}
```

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(45, 227, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 78) }
```

Border

The CSS property to change the border of an element to XYZ 29.9264, 56.0461, 16.4484 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(45, 227, 78) }
```


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

```
.border{ border-color:rgb(45, 227, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 227, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 78);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9264, 56.0461, 16.4484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 78) }
```

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

```
.background{ background-color: rgb(45, 227,  
78) }
```

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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