

Converting Colors

XYZ(29.4205, 54.9284, 17.1094)

Have a look what the booklet for
XYZ(29.4205, 54.9284, 17.1094)
contains.

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Color

**XYZ(29.4445, 54.9732,
17.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	2BE152
RGB	43, 225, 82
RGB Percent	17%, 88%, 32%
CMY	0.8314, 0.1176, 0.6784
CMYK	0.81, 0.00, 0.64, 0.12
HSL	133°, 75%, 53%
HSV	133°, 81%, 88%
XYZ	29.4445, 54.9732, 17.0417
YIQ	154.2800, -62.5690, -83.0570

Conversions

Conversions Part 2

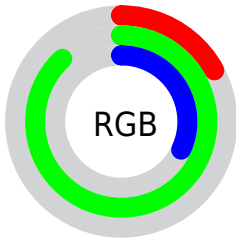
Format	Color
RYB	43, 193, 225
Decimal	2875730
CIELab	79.03, -71.28, 56.06
CIELCh	79, 90.678, 141.817
Yxy	54.9732, 0.2902, 0.5418
Android (android.graphics.Color)	4281065810 (0xFF2BE152)
YUV	154.2800, -35.6340, -97.5926
Hunter-Lab	74.1439, -58.8648, 38.2732

Details

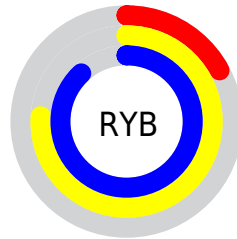
The XYZ color **29.4445, 54.9732, 17.0417** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **40.7797, 21.2814, 48.4139**, and the grayscale version is **31.0111, 32.6261, 35.5299**.

A 20% lighter version of the original color is **48.0891, 77.3625, 35.6905**, and **14.1475, 28.0632, 5.4301** is the 20% darker color. If you saturate the color by 10%, you get **28.1598, 54.3805, 13.9116**, and if you desaturate by 10%, it is **31.4247, 55.9076, 21.1114**.

Distribution



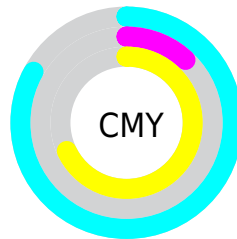
- Red (17%)
- Green (88%)
- Blue (32%)



- Red (17%)
- Yellow (76%)
- Blue (88%)



- Cyan (81%)
- Magenta (0%)
- Yellow (64%)
- Black (12%)





- Cyan (83%)
- Magenta (12%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4445, 54.9732, 17.0417 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 29.4445, 54.9732, 17.0417 by changing the saturation by 10% instead.


 29.4445, 54.9732,
17.0417


 29.4445, 54.9732,
17.0417


291.2630,
405.8103, 247.4647


 19.5633, 39.3803,
10.1020


 58.1753, 97.5017,
39.1891

 12.1844, 27.0557,
5.3601


 77.7555, 125.2060,
55.2338


 6.9425, 17.6150,
2.3977


 101.2995,
157.7163, 75.1506

 3.4722, 10.6740,
0.7852

 129.1726,
195.4169, 99.3580

 1.4081, 5.8481,
0.0000

 161.7402,
238.6922, 128.2746

 0.2620, 2.7529,
0.0000

199.3675,

 0.0000, 1.0041,

287.9266, 162.3189

0.0000

242.4200,
343.5045, 201.9094

■ 0.0000, 0.0000,
0.0000

■ 29.4445, 54.9732,
17.0417

■ 29.4445, 54.9732,
17.0417

■ 28.1598, 54.3805,
13.9116

■ 31.4247, 55.9076,
21.1114


■ 27.4643, 54.0677,
11.8085


■ 34.1833, 57.2203,
26.1844

■ 37.7956, 58.9504,
32.3232


■ 42.3264, 61.1301,
39.5841

■ 47.8344, 63.7885,
48.0192

 54.3729, 66.9523,
57.6777

 61.9918, 70.6460,
68.6056

 70.7374, 74.8926,
80.8468

 80.6534, 79.7138,
94.4429

Harmonies

Analogous

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



40.3857, 54.9732, 6.8786



29.4445, 54.9732, 17.0417



24.8786, 54.9732, 46.7950

Triad

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



29.4445, 54.9732, 17.0417



47.4648, 54.9732, 221.9612



91.5423, 54.9732, 29.9977

Complementary

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



29.4445, 54.9732, 17.0417



40.7797, 21.2814, 48.4139

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.



94.6760, 54.9732, 75.1469



29.4445, 54.9732, 17.0417



66.2372, 54.9732, 207.6515

Square

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



29.4445, 54.9732, 17.0417



33.6000, 54.9732, 176.8900



84.5496, 54.9732, 144.7118



76.7725, 54.9732, 10.7935

Rectangle

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



29.4445, 54.9732, 17.0417



25.1122, 54.9732, 82.6021



84.5496, 54.9732, 144.7118



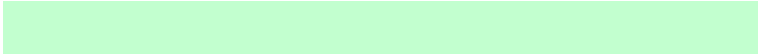
94.1093, 54.9732, 41.7241

Sweetspot

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



29.4458, 54.9755, 17.0429



69.2089, 87.4637, 72.2114



48.2505, 64.7952, 12.2494



14.1477, 18.3986, 14.4723



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.



29.4458, 54.9755, 17.0429



36.6888, 71.9026, 16.3113



35.2166, 57.2838, 47.4315



13.6484, 15.3851, 15.1836



15.8606, 31.1691, 6.9892



1.1323, 2.1737, 0.6581

Inverse Universe

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



40.7797, 21.2814, 48.4139



51.9830, 25.6901, 58.0924



34.1024, 18.6105, 13.2521



14.1627, 13.8827, 16.6268



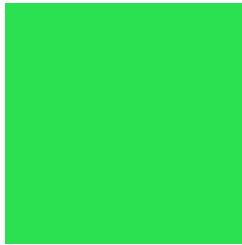
22.4984, 11.0664, 25.0880



1.5912, 0.7798, 1.9061

Previews

White Background



This preview shows how the XYZ color 29.4445, 54.9732, 17.0417 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 29.4445, 54.9732, 17.0417 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 29.4445, 54.9732, 17.0417

Background



This preview shows how black text looks on a background with the XYZ color 29.4445, 54.9732, 17.0417.

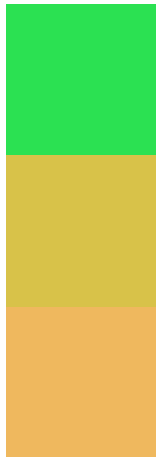


This preview shows how white text looks on a background with the XYZ color 29.4445, 54.9732,

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

29.4445, 54.9732, 17.0417

Protanopia

48.8133, 53.6635, 14.0887

Deuteranopia

54.7575, 53.4399, 18.0186



Tritanopia

42.3349, 54.7866, 81.7424

Trichromacy



Original Color

29.4445, 54.9732, 17.0417



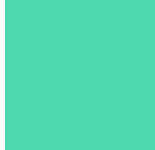
Protanomaly

36.2727, 50.9568, 14.7613



Deuteranomaly

38.4173, 49.9099, 17.2816



Tritanomaly

35.4356, 53.8266, 49.0794

Monochromacy



Original Color

29.4445, 54.9732, 17.0417



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.1570, 37.7784, 26.2827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4445, 54.9732, 17.0417 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(43, 225, 82)` looks like.

```
.text, #text, p{  
    color:rgb(43, 225, 82)  
}
```

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(43, 225, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 225, 82) }
```

Border

The CSS property to change the border of an element to XYZ 29.4445, 54.9732, 17.0417 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(43, 225, 82) }
```


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

```
.border{ border-color:rgb(43, 225, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 225, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 225, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 225, 82);  
box-shadow:4px 4px 4px 4px rgb(43, 225,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4445, 54.9732, 17.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 225, 82) }
```

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

```
.background{ background-color: rgb(43, 225,  
82) }
```

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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