

Converting Colors

XYZ(29.2438, 54.1473, 13.4676)

Have a look what the booklet for
XYZ(29.2438, 54.1473, 13.4676)
contains.

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Color

**XYZ(29.2438, 54.1473,
13.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	3EDF3E
RGB	62, 223, 62
RGB Percent	24%, 87%, 24%
CMY	0.7569, 0.1255, 0.7568
CMYK	0.72, 0.00, 0.72, 0.13
HSL	120°, 72%, 56%
HSV	120°, 72%, 87%
XYZ	29.2438, 54.1473, 13.4676
YIQ	156.5070, -44.2750, -84.2030

Conversions

Conversions Part 2

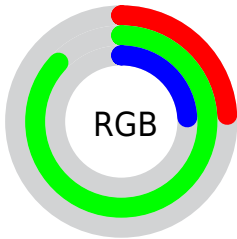
Format	Color
RYB	62, 223, 223
Decimal	4120382
CIELab	78.55, -69.98, 63.36
CIELCh	79, 94.408, 137.842
Yxy	54.1473, 0.3019, 0.5590
Android (android.graphics.Color)	4282310462 (0xFF3EDF3E)
YUV	156.5070, -46.5920, -82.8826
Hunter-Lab	73.5848, -57.8347, 40.6581

Details

The XYZ color **29.2438, 54.1473, 13.4676** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark muted green. A complement of this color would be **45.4745, 24.4616, 72.1360**, and the grayscale version is **32.0444, 33.7132, 36.7136**.

A 20% lighter version of the original color is **48.6055, 77.7574, 29.8997**, and **13.6362, 27.2724, 4.5454** is the 20% darker color. If you saturate the color by 10%, you get **27.6303, 53.3739, 10.8273**, and if you desaturate by 10%, it is **31.6842, 55.3212, 17.4585**.

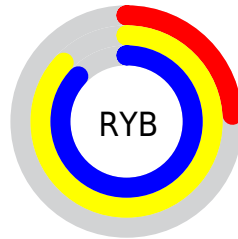
Distribution



Red (24%)

Green (87%)

Blue (24%)



Red (24%)

Yellow (87%)

Blue (87%)

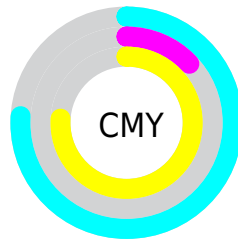


Cyan (72%)

Magenta (0%)

Yellow (72%)

Black (13%)



Cyan (76%)


Magenta (13%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2438, 54.1473, 13.4676 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 29.2438, 54.1473, 13.4676 by changing the saturation by 10% instead.


 29.2438, 54.1473,
13.4676


 29.2438, 54.1473,
13.4676


290.3370,
402.6715, 225.2052

 19.4105, 38.7194,
7.6168


 57.8591, 96.2905,
32.8447

 12.0731, 26.5415,
3.7665


 77.3718, 123.7746,
47.2082


 6.8660, 17.2292,
1.4982


 100.8418,
156.0463, 65.2463

 3.4240, 10.3980,
0.2165

 128.6343,
193.4899, 87.3775

 1.3818, 5.6637,
0.0000

 161.1147,
236.4898, 114.0205

 0.2432, 2.6417,
0.0000

198.6484,

 0.0000, 0.9477,

285.4304, 145.5938

0.0000

241.6007,
340.6962, 182.5158

■ 0.0000, 0.0000,
0.0000

■ 29.2438, 54.1473,
13.4676

■ 29.2438, 54.1473,
13.4676

■ 27.6303, 53.3739,
10.8273

■ 31.6842, 55.3212,
17.4585

■ 26.7315, 52.9422,
9.3571


■ 35.0375, 56.9319,
22.9436


■ 26.3888, 52.7776,
8.7965


■ 39.3833, 59.0194,
30.0519


■ 44.7914, 61.6172,
38.8979

■ 51.3255, 64.7559,
49.5855

 59.0440, 68.4635,
62.2105

 68.0016, 72.7663,
76.8621

 78.2494, 77.6888,
93.6238

 85.6788, 81.2575,
105.7763

Harmonies

Analogous

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



41.2658, 54.1473, 5.3265



29.2438, 54.1473, 13.4676



23.8210, 54.1473, 39.9088

Triad

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



29.2438, 54.1473, 13.4676



44.2944, 54.1473, 226.4858



93.5718, 54.1473, 32.8113

Complementary

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



29.2438, 54.1473, 13.4676



45.4745, 24.4616, 72.1360

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.



94.9462, 54.1473, 83.2680



29.2438, 54.1473, 13.4676



63.2207, 54.1473, 220.0972

Square

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



29.2438, 54.1473, 13.4676



30.9986, 54.1473, 172.1574



82.7934, 54.1473, 157.8943



79.3971, 54.1473, 10.9576

Rectangle

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



29.2438, 54.1473, 13.4676



23.5423, 54.1473, 74.0680



82.7934, 54.1473, 157.8943



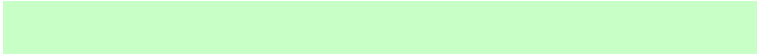
95.6513, 54.1473, 46.0555

Sweetspot

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



29.2451, 54.1496, 13.4688



69.5841, 87.7674, 67.2464



57.6910, 68.8140, 14.7993



14.3424, 18.5209, 13.4914



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.



29.2451, 54.1496, 13.4688



36.6687, 71.9565, 13.4068



33.2957, 55.7698, 34.7992



13.5289, 15.3373, 14.5542



15.5156, 31.0311, 5.1720



1.0755, 2.1509, 0.3585

Inverse Universe

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



45.4745, 24.4616, 72.1360



59.8369, 29.5756, 97.1565



37.0756, 21.1021, 27.9084



14.2951, 13.9357, 17.3240



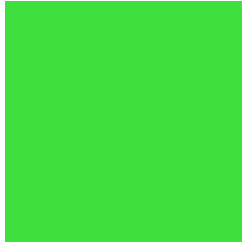
25.7241, 12.3567, 42.0746



1.7831, 0.8565, 2.9164

Previews

White Background



This preview shows how the XYZ color 29.2438, 54.1473, 13.4676 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 29.2438, 54.1473, 13.4676 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 29.2438, 54.1473, 13.4676

Background



This preview shows how black text looks on a background with the XYZ color 29.2438, 54.1473, 13.4676.

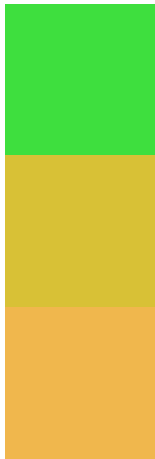


This preview shows how white text looks on a background with the XYZ color 29.2438, 54.1473,

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

29.2438, 54.1473, 13.4676

Protanopia

48.0547, 53.0052, 11.1883

Deuteranopia

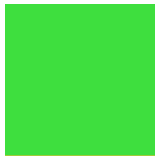
54.2082, 52.9281, 14.3802



Tritanopia

42.2099, 53.6738, 79.3695

Trichromacy



Original Color

29.2438, 54.1473, 13.4676



Protanomaly

36.8286, 50.9547, 11.7651



Deuteranomaly

39.0430, 49.9700, 13.7183



Tritanomaly

34.9916, 52.5658, 44.3784

Monochromacy



Original Color

29.2438, 54.1473, 13.4676



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.0628, 38.5905, 24.3820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2438, 54.1473, 13.4676 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(62, 223, 62)` looks like.

```
.text, #text, p{  
    color:rgb(62, 223, 62)  
}
```

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(62, 223, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 223, 62) }
```

Border

The CSS property to change the border of an element to XYZ 29.2438, 54.1473, 13.4676 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(62, 223, 62) }
```


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

```
.border{ border-color:rgb(62, 223, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 223, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 223, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 223, 62);  
box-shadow:4px 4px 4px 4px rgb(62, 223,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2438, 54.1473, 13.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 223, 62) }
```

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

```
.background{ background-color: rgb(62, 223,  
62) }
```

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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