

Converting Colors

XYZ(29.8341, 54.4228, 14.8934)

Have a look what the booklet for
XYZ(29.8341, 54.4228, 14.8934)
contains.

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Color

**XYZ(29.8397, 54.4236,
14.8933)**

Conversions

Conversions Part 1

Format	Color
Hex	43DF47
RGB	67, 223, 71
RGB Percent	26%, 87%, 28%
CMY	0.7373, 0.1255, 0.7215
CMYK	0.70, 0.00, 0.68, 0.13
HSL	122°, 71%, 57%
HSV	122°, 70%, 87%
XYZ	29.8397, 54.4236, 14.8933
YIQ	159.0280, -44.1840, -80.3440

Conversions

Conversions Part 2

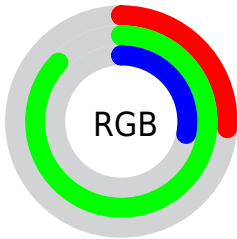
Format	Color
RYB	67, 219, 223
Decimal	4448071
CIELab	78.71, -68.40, 60.24
CIELCh	79, 91.146, 138.629
Yxy	54.4236, 0.3009, 0.5489
Android (android.graphics.Color)	4282638151 (0xFF43DF47)
YUV	159.0280, -43.3978, -80.7086
Hunter-Lab	73.7724, -56.9013, 39.6711

Details

The XYZ color **29.8397, 54.4236, 14.8933** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **45.2259, 24.8173, 69.4236**, and the grayscale version is **33.1754, 34.9031, 38.0095**.

A 20% lighter version of the original color is **49.5176, 78.1773, 32.2185**, and **13.6362, 27.2724, 4.5454** is the 20% darker color. If you saturate the color by 10%, you get **28.0180, 53.5528, 11.7965**, and if you desaturate by 10%, it is **32.5014, 55.7019, 19.3325**.

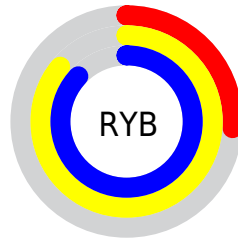
Distribution



Red (26%)

Green (87%)

Blue (28%)



Red (26%)

Yellow (86%)

Blue (87%)

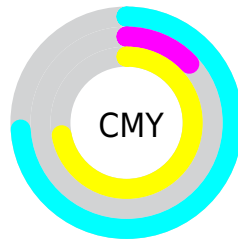


Cyan (70%)

Magenta (0%)

Yellow (68%)

Black (13%)



Cyan (74%)


Magenta (13%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8397, 54.4236, 14.8933 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 29.8397, 54.4236, 14.8933 by changing the saturation by 10% instead.


 29.8397, 54.4236,
14.8933


 29.8397, 54.4236,
14.8933


293.0798,
403.7233, 234.3380


 19.8644, 38.9404,
8.5987


 58.7970, 96.6959,
35.4055

 12.4042, 26.7134,
4.3872


 78.5096, 124.2539,
50.4603


 7.0937, 17.3581,
1.8401


 102.1988,
156.6055, 69.2722

 3.5676, 10.4901,
0.4542

 130.2299,
194.1353, 92.2598

 1.4606, 5.7251,
0.0000

 162.9681,
237.2275, 119.8417

 0.2988, 2.6787,
0.0000

200.7790,

 0.0000, 0.9664,

286.2667, 152.4363

0.0000

244.0277,
341.6371, 190.4622

■ 0.0000, 0.0000,
0.0000

■ 29.8397, 54.4236,
14.8933

■ 29.8397, 54.4236,
14.8933

■ 28.0180, 53.5528,
11.7965

■ 32.5014, 55.7019,
19.3325

■ 26.9328, 53.0344,
9.8877

■ 36.0837, 57.4216,
25.2391


■ 26.4219, 52.7910,
8.9643


■ 40.6619, 59.6207,
32.7277


■ 26.4202, 52.7901,
8.9614

■ 46.3024, 62.3313,
41.9008

■ 53.0662, 65.5828,
52.8521

 61.0095, 69.4023,
65.6686

 70.1846, 73.8150,
80.4313

 80.6409, 78.8447,
97.2168

 85.6788, 81.2576,
105.7763

Harmonies

Analogous

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



41.4308, 54.4236, 6.1941



29.8397, 54.4236, 14.8933



24.6525, 54.4236, 41.7672

Triad

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



29.8397, 54.4236, 14.8933



45.1928, 54.4236, 219.4872



91.9979, 54.4236, 32.8764

Complementary

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



29.8397, 54.4236, 14.8933



45.2259, 24.8173, 69.4236

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.



93.6742, 54.4236, 81.0554



29.8397, 54.4236, 14.8933



63.6040, 54.4236, 211.7965

Square

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



29.8397, 54.4236, 14.8933



32.0407, 54.4236, 169.2732



82.3296, 54.4236, 152.0148



78.1741, 54.4236, 11.6288

Rectangle

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



29.8397, 54.4236, 14.8933



24.4772, 54.4236, 75.4270



82.3296, 54.4236, 152.0148



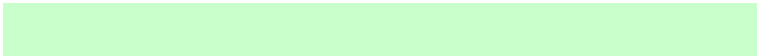
94.1027, 54.4236, 45.5825

Sweetspot

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



29.8410, 54.4259, 14.8945



70.7272, 88.3034, 69.7071



57.0396, 68.4616, 15.5182



14.5704, 18.6274, 14.0012



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.



29.8410, 54.4259, 14.8945



37.1656, 72.1869, 14.5905



34.0173, 56.0964, 36.8869



13.5430, 15.3429, 14.6286



15.5403, 31.0410, 5.3022



1.0823, 2.1536, 0.3944

Inverse Universe

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



45.2259, 24.8173, 69.4236



59.2031, 29.7029, 92.6453



37.3526, 21.6680, 27.9633



14.2790, 13.9292, 17.2396



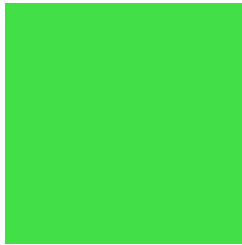
25.2852, 12.1811, 39.7631



1.7575, 0.8463, 2.7819

Previews

White Background



This preview shows how the XYZ color 29.8397, 54.4236, 14.8933 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 29.8397, 54.4236, 14.8933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

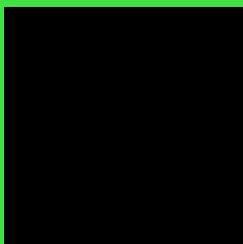
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

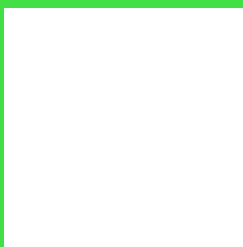
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8397, 54.4236, 14.8933

Background



This preview shows how black text looks on a background with the XYZ color 29.8397, 54.4236, 14.8933.

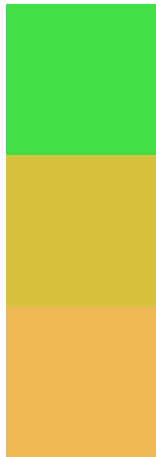


This preview shows how white text looks on a background with the XYZ color 29.8397, 54.4236,

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

29.8397, 54.4236, 14.8933

Protanopia

48.2861, 53.0977, 12.4066

Deuteranopia

54.3373, 53.2718, 15.8061



Tritanopia

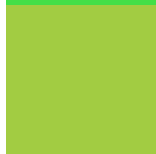
42.5769, 53.8630, 79.3867

Trichromacy



Original Color

29.8397, 54.4236, 14.8933



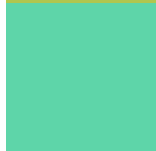
Protanomaly

37.4765, 51.2605, 13.0733



Deuteranomaly

39.5099, 50.1828, 15.0010



Tritanomaly

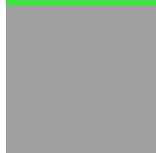
35.5718, 52.8328, 45.8590

Monochromacy



Original Color

29.8397, 54.4236, 14.8933



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.1629, 39.4238, 26.1512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8397, 54.4236, 14.8933 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(67, 223, 71)` looks like.

```
.text, #text, p{  
    color:rgb(67, 223, 71)  
}
```

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(67, 223, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 223, 71) }
```

Border

The CSS property to change the border of an element to XYZ 29.8397, 54.4236, 14.8933 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(67, 223, 71) }
```


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

```
.border{ border-color:rgb(67, 223, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 223, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 223, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 223, 71);  
box-shadow:4px 4px 4px 4px rgb(67, 223,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8397, 54.4236, 14.8933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 223, 71) }
```

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

```
.background{ background-color: rgb(67, 223,  
71) }
```

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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