

Converting Colors

XYZ(30.2048, 55.1751, 14.8423)

Have a look what the booklet for
XYZ(30.2048, 55.1751, 14.8423)
contains.

XYZ(30.0759, 54.9468, 14.8150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0759, 54.9468,
14.8150)**

Conversions

Conversions Part 1

Format	Color
Hex	43E046
RGB	67, 224, 70
RGB Percent	26%, 88%, 27%
CMY	0.7373, 0.1216, 0.7255
CMYK	0.70, 0.00, 0.69, 0.12
HSL	121°, 72%, 57%
HSV	121°, 70%, 88%
XYZ	30.0759, 54.9468, 14.8150
YIQ	159.5010, -44.1380, -81.1780

Conversions

Conversions Part 2

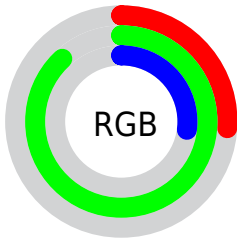
Format	Color
RYB	67, 221, 224
Decimal	4448326
CIELab	79.01, -68.81, 60.94
CIELCh	79, 91.918, 138.469
Yxy	54.9468, 0.3012, 0.5504
Android (android.graphics.Color)	4282638406 (0xFF43E046)
YUV	159.5010, -44.1240, -81.1234
Hunter-Lab	74.1261, -57.2962, 40.0385

Details

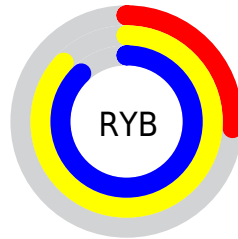
The XYZ color **30.0759, 54.9468, 14.8150** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **45.8000, 25.0828, 70.8338**, and the grayscale version is **33.3962, 35.1354, 38.2625**.

A 20% lighter version of the original color is **49.5176, 78.1773, 32.2185**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **28.2556, 54.0760, 11.7484**, and if you desaturate by 10%, it is **32.7459, 56.2296, 19.2475**.

Distribution



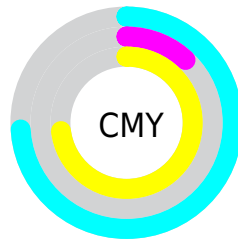
- Red (26%)
- Green (88%)
- Blue (27%)



- Red (26%)
- Yellow (87%)
- Blue (88%)



- Cyan (70%)
- Magenta (0%)
- Yellow (69%)
- Black (12%)





- Cyan (74%)
- Magenta (12%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0759, 54.9468, 14.8150 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 30.0759, 54.9468, 14.8150 by changing the saturation by 10% instead.


 30.0759, 54.9468,
14.8150


 30.0759, 54.9468,
14.8150


294.1616,
405.7102, 233.8458


 20.0446, 39.3591,
8.5445


 59.1680, 97.4630,
35.2660

 12.5359, 27.0392,
4.3525


 78.9595, 125.1603,
50.2836


 7.1845, 17.6027,
1.8207


 102.7350,
157.6630, 69.0539

 3.6251, 10.6651,
0.4415

 130.8600,
195.3554, 91.9955

 1.4923, 5.8421,
0.0000

 163.6998,
238.6219, 119.5270

 0.3206, 2.7493,
0.0000

201.6198,

 0.0000, 1.0023,

287.8470, 152.0668

0.0000

244.9852,
343.4149, 190.0336

■ 0.0000, 0.0000,
0.0000

■ 30.0759, 54.9468,
14.8150

■ 30.0759, 54.9468,
14.8150

■ 28.2556, 54.0760,
11.7484

■ 32.7459, 56.2296,
19.2475

■ 27.1792, 53.5612,
9.8868


■ 36.3480, 57.9590,
25.1758


■ 26.6802, 53.3229,
9.0093


■ 40.9588, 60.1738,
32.7189


■ 46.6462, 62.9066,
41.9828

■ 53.4722, 66.1873,
53.0646

 61.4939, 70.0435,
66.0539

 70.7648, 74.5008,
81.0346

 81.3351, 79.5835,
98.0856

 85.9468, 81.7935,
105.8656

Harmonies

Analogous

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



41.8586, 54.9468, 6.1239



30.0759, 54.9468, 14.8150



24.7915, 54.9468, 41.8691

Triad

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



30.0759, 54.9468, 14.8150



45.5063, 54.9468, 222.7023



93.1844, 54.9468, 33.2587

Complementary

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



30.0759, 54.9468, 14.8150



45.8000, 25.0828, 70.8338

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.



94.8140, 54.9468, 82.3029



30.0759, 54.9468, 14.8150



64.1762, 54.9468, 215.2119

Square

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



30.0759, 54.9468, 14.8150



32.2071, 54.9468, 171.3226



83.2209, 54.9468, 154.5259



79.1829, 54.9468, 11.6700

Rectangle

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



30.0759, 54.9468, 14.8150



24.5934, 54.9468, 75.9190



83.2209, 54.9468, 154.5259



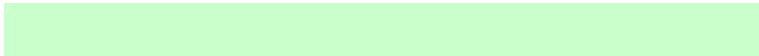
95.3005, 54.9468, 46.1878

Sweetspot

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



30.0772, 54.9491, 14.8162



70.6855, 88.2868, 69.4878



57.6068, 69.1518, 15.6217



14.5608, 18.6236, 13.9504



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.



30.0772, 54.9491, 14.8162



37.1382, 72.1760, 14.4464



34.3263, 56.6487, 37.1916



13.5394, 15.3415, 14.6096



15.5340, 31.0384, 5.2690



1.0805, 2.1529, 0.3852

Inverse Universe

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



45.8000, 25.0828, 70.8338



59.4230, 29.7909, 93.8032



37.6982, 21.8421, 28.1703



14.2831, 13.9309, 17.2611



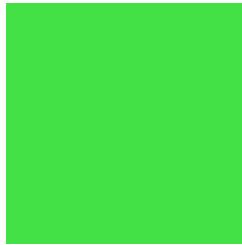
25.3957, 12.2253, 40.3451



1.7640, 0.8489, 2.8158

Previews

White Background



This preview shows how the XYZ color 30.0759, 54.9468, 14.8150 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 30.0759, 54.9468, 14.8150 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 30.0759, 54.9468, 14.8150

Background



This preview shows how black text looks on a background with the XYZ color 30.0759, 54.9468, 14.8150.

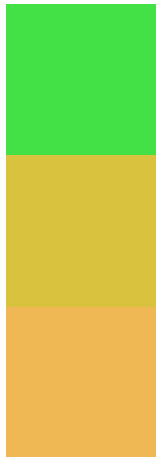


This preview shows how white text looks on a background with the XYZ color 30.0759, 54.9468,

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

30.0759, 54.9468, 14.8150

Protanopia

48.7766, 53.6831, 12.3485

Deuteranopia

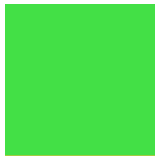
54.6759, 53.4463, 15.8219



Tritanopia

42.9583, 54.4069, 80.1889

Trichromacy



Original Color

30.0759, 54.9468, 14.8150



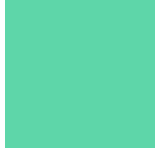
Protanomaly

37.6857, 51.7257, 12.9988



Deuteranomaly

39.9662, 50.7585, 15.0881



Tritanomaly

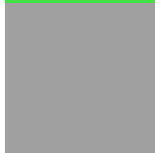
35.8241, 53.3374, 45.9431

Monochromacy



Original Color

30.0759, 54.9468, 14.8150



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.3684, 39.8349, 26.2197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0759, 54.9468, 14.8150 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, 224, 70)` looks like.

```
.text, #text, p{  
    color:rgb(67, 224, 70)  
}
```

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, 224, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 224, 70) }
```

Border

The CSS property to change the border of an element to XYZ 30.0759, 54.9468, 14.8150 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, 224, 70) }
```


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

```
.border{ border-color:rgb(67, 224, 70) }
```

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

Here you see how a box with a 4 pixel rgb(67, 224, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 224, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 224, 70);  
box-shadow:4px 4px 4px 4px rgb(67, 224,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0759, 54.9468, 14.8150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 224, 70) }
```

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

```
.background{ background-color: rgb(67, 224,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor