

Converting Colors

XYZ(33.0279, 59.2678, 17.8250)

Have a look what the booklet for
XYZ(33.0279, 59.2678, 17.8250)
contains.

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Color

**XYZ(33.0389, 59.2722,
17.8830)**

Conversions

Conversions Part 1

Format	Color
Hex	4BE753
RGB	75, 231, 83
RGB Percent	29%, 91%, 33%
CMY	0.7059, 0.0941, 0.6745
CMYK	0.68, 0.00, 0.64, 0.09
HSL	123°, 76%, 60%
HSV	123°, 68%, 91%
XYZ	33.0389, 59.2722, 17.8830
YIQ	167.4840, -45.4680, -79.1000

Conversions

Conversions Part 2

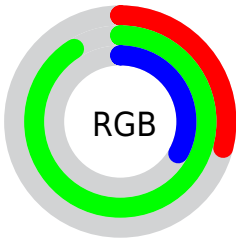
Format	Color
RYB	75, 223, 231
Decimal	4974419
CIELab	81.44, -68.44, 58.47
CIElCh	81, 90.022, 139.492
Yxy	59.2722, 0.2998, 0.5379
Android (android.graphics.Color)	4283164499 (0xFF4BE753)
YUV	167.4840, -41.6506, -81.1085
Hunter-Lab	76.9884, -58.1281, 40.1199

Details

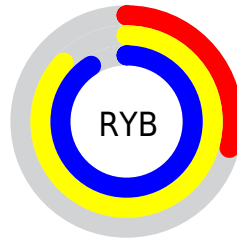
The XYZ color **33.0389, 59.2722, 17.8830** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **48.7918, 27.3496, 72.5196**, and the grayscale version is **37.1813, 39.1176, 42.5991**.

A 20% lighter version of the original color is **51.5028, 79.1058, 36.5992**, and **15.2809, 30.3300, 5.8080** is the 20% darker color. If you saturate the color by 10%, you get **30.8329, 58.2195, 14.0400**, and if you desaturate by 10%, it is **36.1707, 60.7748, 23.1674**.

Distribution



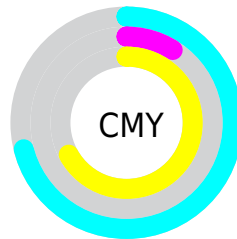
- Red (29%)
- Green (91%)
- Blue (33%)



- Red (29%)
- Yellow (87%)
- Blue (91%)



- Cyan (68%)
- Magenta (0%)
- Yellow (64%)
- Black (9%)



- Cyan (71%)
- Magenta (9%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0389, 59.2722, 17.8830 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 33.0389, 59.2722, 17.8830 by changing the saturation by 10% instead.

■ 33.0389, 59.2722,
17.8830

■ 33.0389, 59.2722,
17.8830

307.4869,
421.9099, 252.4247

■ 22.3156, 42.8323,
10.6974

■ 63.7905, 103.7732,
40.6491

■ 14.2069, 29.7535,
5.7522

■ 84.5496, 132.6030,
57.0667

■ 8.3474, 19.6516,
2.6286

■ 109.3846,
166.3316, 77.3988

■ 4.3717, 12.1420,
0.9072

■ 138.6610,
205.3434, 102.0639

■ 1.9145, 6.8405,
0.0000

172.7440,
250.0227, 131.4804

■ 0.5852, 3.3625,
0.0000

211.9991,

■ 0.0000, 1.3238,

300.7540, 166.0671

0.0000

256.7916,
357.9216, 206.2423

■ 0.0000, 0.1595,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.0389, 59.2722,
17.8830

■ 33.0389, 59.2722,
17.8830

■ 30.8329, 58.2195,
14.0400

■ 36.1707, 60.7748,
23.1674

■ 29.4472, 57.5601,
11.4928


■ 40.3106, 62.7617,
30.0121


■ 28.7516, 57.2322,
10.0726


■ 45.5364, 65.2727,
38.5283


■ 28.6425, 57.1804,
9.8704

■ 51.9175, 68.3411,
48.8160

 59.5171, 71.9978,
60.9674

 68.3941, 76.2711,
75.0681

 78.6035, 81.1878,
91.1986

 87.8671, 85.6342,
106.5057

Harmonies

Analogous

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



45.0932, 59.2722, 7.8215



33.0389, 59.2722, 17.8830



27.6981, 59.2722, 47.4056

Triad

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



33.0389, 59.2722, 17.8830



49.9848, 59.2722, 229.7211



97.8494, 59.2722, 35.7411

Complementary

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



33.0389, 59.2722, 17.8830



48.7918, 27.3496, 72.5196

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.



99.9867, 59.2722, 85.3671



33.0389, 59.2722, 17.8830



69.3086, 59.2722, 220.0551

Square

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



33.0389, 59.2722, 17.8830



35.9304, 59.2722, 179.9151



88.6106, 59.2722, 158.1014



83.2943, 59.2722, 13.4303

Rectangle

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



33.0389, 59.2722, 17.8830



27.6286, 59.2722, 83.2017



88.6106, 59.2722, 158.1014



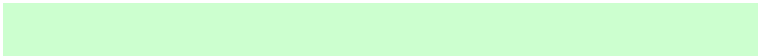
100.1504, 59.2722, 48.8964

Sweetspot

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



33.0403, 59.2747, 17.8843



71.8775, 88.8436, 72.1462



60.3414, 73.3826, 17.6407



14.8001, 18.7349, 14.5081



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.



33.0403, 59.2747, 17.8843



37.7909, 72.4756, 16.1415



37.8944, 61.2163, 43.4457



14.2192, 16.1011, 15.4188



16.0702, 32.0602, 5.6042



1.1982, 2.3734, 0.4701

Inverse Universe

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



48.7918, 27.3496, 72.5196



58.7058, 29.9670, 88.5990



40.5989, 24.0725, 29.3766



14.9615, 14.6018, 17.9976



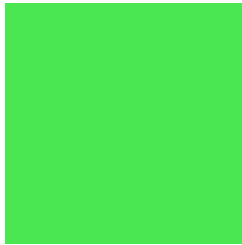
25.6686, 12.4017, 38.7455



1.9067, 0.9204, 2.9151

Previews

White Background



This preview shows how the XYZ color 33.0389, 59.2722, 17.8830 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 33.0389, 59.2722, 17.8830 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 33.0389, 59.2722, 17.8830

Background



This preview shows how black text looks on a background with the XYZ color 33.0389, 59.2722, 17.8830.



This preview shows how white text looks on a background with the XYZ color 33.0389, 59.2722,

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

33.0389, 59.2722, 17.8830

Protanopia

52.8631, 58.1150, 14.9097

Deuteranopia

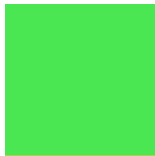
59.0541, 57.8620, 18.8825



Tritanopia

46.6096, 58.7653, 86.7281

Trichromacy



Original Color

33.0389, 59.2722, 17.8830



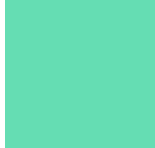
Protanomaly

41.4606, 56.1688, 15.6776



Deuteranomaly

43.7268, 55.0883, 18.2260



Tritanomaly

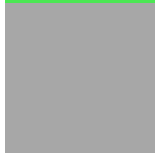
39.3600, 57.7343, 51.7172

Monochromacy



Original Color

33.0389, 59.2722, 17.8830



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.6889, 43.6728, 29.9994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0389, 59.2722, 17.8830 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(75, 231, 83)` looks like.

```
.text, #text, p{  
    color:rgb(75, 231, 83)  
}
```

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(75, 231, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 231, 83) }
```

Border

The CSS property to change the border of an element to XYZ 33.0389, 59.2722, 17.8830 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(75, 231, 83) }
```


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

```
.border{ border-color:rgb(75, 231, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 231, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 231, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 231, 83);  
box-shadow:4px 4px 4px 4px rgb(75, 231,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0389, 59.2722, 17.8830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 231, 83) }
```

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

```
.background{ background-color: rgb(75, 231,  
83) }
```

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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