

Converting Colors

XYZ(32.4295, 57.9305, 17.0580)

Have a look what the booklet for
XYZ(32.4295, 57.9305, 17.0580)
contains.

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Color

**XYZ(32.3333, 57.6857,
17.0197)**

Conversions

Conversions Part 1

Format	Color
Hex	4EE450
RGB	78, 228, 80
RGB Percent	31%, 89%, 31%
CMY	0.6941, 0.1059, 0.6863
CMYK	0.66, 0.00, 0.65, 0.11
HSL	121°, 74%, 60%
HSV	121°, 66%, 89%
XYZ	32.3333, 57.6857, 17.0197
YIQ	166.2780, -41.8920, -77.8280

Conversions

Conversions Part 2

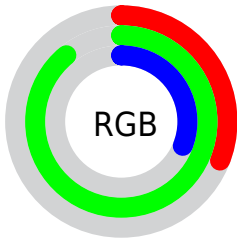
Format	Color
RYB	78, 226, 228
Decimal	5170256
CIELab	80.56, -67.18, 58.75
CIELCh	81, 89.250, 138.830
Yxy	57.6857, 0.3021, 0.5389
Android (android.graphics.Color)	4283360336 (0xFF4EE450)
YUV	166.2780, -42.5351, -77.4198
Hunter-Lab	75.9511, -56.9248, 39.8796

Details

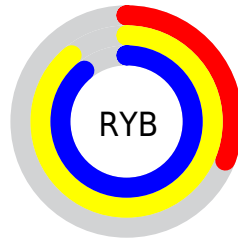
The XYZ color **32.3333, 57.6857, 17.0197** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **48.4483, 27.4347, 74.6942**, and the grayscale version is **36.5955, 38.5014, 41.9280**.

A 20% lighter version of the original color is **51.4609, 79.1089, 35.4789**, and **14.6641, 29.1663, 5.3871** is the 20% darker color. If you saturate the color by 10%, you get **30.0824, 56.6075, 13.2786**, and if you desaturate by 10%, it is **35.5124, 59.2136, 22.2586**.

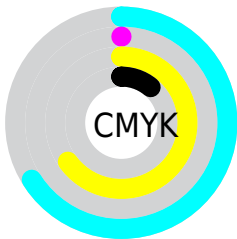
Distribution



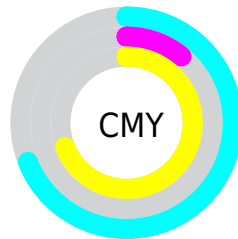
- Red (31%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (89%)



- Cyan (66%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)



- Cyan (69%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3333, 57.6857, 17.0197 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 32.3333, 57.6857, 17.0197 by changing the saturation by 10% instead.

■ 32.3333, 57.6857,
17.0197

■ 32.3333, 57.6857,
17.0197

304.3531,
416.0138, 247.3337

■ 21.7730, 41.5560,
10.0864

■ 62.6949, 101.4650,
39.1508

■ 13.8059, 28.7538,
5.3499

■ 83.2269, 129.8835,
55.1856

■ 8.0666, 18.8947,
2.3917

■ 107.8135,
163.1669, 75.0914

■ 4.1897, 11.5942,
0.7819

■ 136.8201,
201.6999, 99.2868

■ 1.8100, 6.4680,
0.0000

■ 170.6120,
245.8666, 128.1901

■ 0.5237, 3.1317,
0.0000

209.5546,

■ 0.0000, 1.2009,

296.0516, 162.2200

0.0000

254.0132,
352.6392, 201.7950

■ 0.0000, 0.0624,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.3333, 57.6857,
17.0197

■ 32.3333, 57.6857,
17.0197

■ 30.0824, 56.6075,
13.2786

■ 35.5124, 59.2136,
22.2586

■ 28.6563, 55.9240,
10.8752


■ 39.7008, 61.2252,
29.1260


■ 27.9343, 55.5789,
9.6201


■ 44.9755, 63.7591,
37.7430


■ 27.7612, 55.4958,
9.3360

■ 51.4049, 66.8484,
48.2181

 59.0518, 70.5233,
60.6509

 67.9745, 74.8118,
75.1341

 78.2274, 79.7401,
91.7543

 87.0345, 83.9691,
106.2282

Harmonies

Analogous

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



44.2143, 57.6857, 7.5085



32.3333, 57.6857, 17.0197



26.9949, 57.6857, 45.2034

Triad

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



32.3333, 57.6857, 17.0197



48.2757, 57.6857, 223.1630



95.4449, 57.6857, 35.5229

Complementary

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



32.3333, 57.6857, 17.0197



48.4483, 27.4347, 74.6942

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.



97.2206, 57.6857, 84.4807



32.3333, 57.6857, 17.0197



67.0185, 57.6857, 215.1292

Square

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



32.3333, 57.6857, 17.0197



34.7333, 57.6857, 173.6589



85.8949, 57.6857, 155.5324



81.4787, 57.6857, 13.3286

Rectangle

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



32.3333, 57.6857, 17.0197



26.8392, 57.6857, 79.6264



85.8949, 57.6857, 155.5324



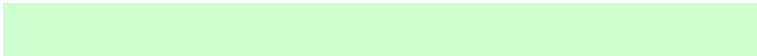
97.5875, 57.6857, 48.5453

Sweetspot

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



32.3347, 57.6881, 17.0210



71.6428, 88.7498, 70.9104



61.1160, 72.5338, 17.9873



14.7453, 18.7130, 14.2197



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.



32.3347, 57.6881, 17.0210



37.9770, 72.5798, 15.7800



36.6365, 59.4089, 39.6743



14.1971, 16.0923, 15.3028



16.0331, 32.0454, 5.4088



1.1876, 2.3691, 0.4143

Inverse Universe

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



48.4483, 27.4347, 74.6942



60.1582, 30.9046, 95.1476



40.4707, 24.2436, 32.6846



14.9864, 14.6117, 18.1287



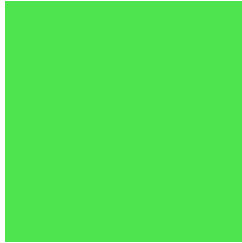
26.3230, 12.6634, 42.1916



1.9479, 0.9369, 3.1320

Previews

White Background



This preview shows how the XYZ color 32.3333, 57.6857, 17.0197 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 32.3333, 57.6857, 17.0197 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

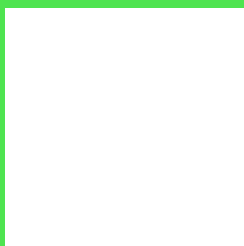
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3333, 57.6857, 17.0197

Background



This preview shows how black text looks on a background with the XYZ color 32.3333, 57.6857, 17.0197.

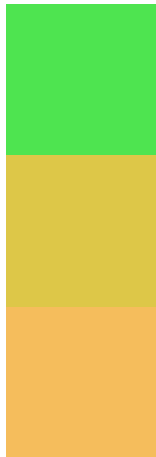


This preview shows how white text looks on a background with the XYZ color 32.3333, 57.6857,

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

32.3333, 57.6857, 17.0197

Protanopia

51.4119, 56.6869, 14.3629

Deuteranopia

57.7856, 56.5804, 18.0007



Tritanopia

45.5542, 57.1399, 84.2295

Trichromacy



Original Color

32.3333, 57.6857, 17.0197



Protanomaly

40.6788, 55.0362, 15.1357



Deuteranomaly

42.8846, 53.6068, 17.3194



Tritanomaly

38.5014, 56.1610, 49.8852

Monochromacy



Original Color

32.3333, 57.6857, 17.0197



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.4023, 43.2128, 29.5548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3333, 57.6857, 17.0197 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(78, 228, 80)` looks like.

```
.text, #text, p{  
    color:rgb(78, 228, 80)  
}
```

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(78, 228, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 228, 80) }
```

Border

The CSS property to change the border of an element to XYZ 32.3333, 57.6857, 17.0197 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(78, 228, 80) }
```


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

```
.border{ border-color:rgb(78, 228, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 228, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 228, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 228, 80);  
box-shadow:4px 4px 4px 4px rgb(78, 228,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3333, 57.6857, 17.0197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 228, 80) }
```

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

```
.background{ background-color: rgb(78, 228,  
80) }
```

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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