

Converting Colors

XYZ(33.5706, 61.0760, 17.4725)

Have a look what the booklet for
XYZ(33.5706, 61.0760, 17.4725)
contains.

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Color

**XYZ(33.6454, 61.2833,
17.4527)**

Conversions

Conversions Part 1

Format	Color
Hex	46EB4F
RGB	70, 235, 79
RGB Percent	27%, 92%, 31%
CMY	0.7255, 0.0784, 0.6902
CMYK	0.70, 0.00, 0.66, 0.08
HSL	123°, 80%, 60%
HSV	123°, 70%, 92%
XYZ	33.6454, 61.2833, 17.4527
YIQ	167.8810, -48.2640, -83.4960

Conversions

Conversions Part 2

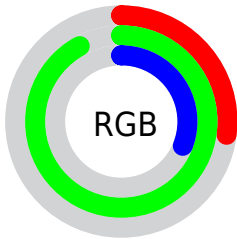
Format	Color
RYB	70, 226, 235
Decimal	4647759
CIELab	82.53, -71.00, 61.24
CIElCh	83, 93.764, 139.223
Yxy	61.2833, 0.2994, 0.5453
Android (android.graphics.Color)	4282837839 (0xFF46EB4F)
YUV	167.8810, -43.8183, -85.8416
Hunter-Lab	78.2837, -60.2792, 41.5803

Details

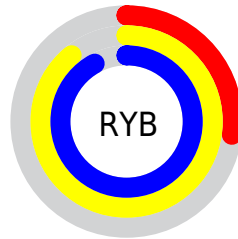
The XYZ color **33.6454, 61.2833, 17.4527** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **50.1800, 27.5343, 74.6212**, and the grayscale version is **37.3876, 39.3347, 42.8355**.

A 20% lighter version of the original color is **50.7105, 78.7302, 35.0780**, and **15.9808, 31.8650, 5.6249** is the 20% darker color. If you saturate the color by 10%, you get **31.5922, 60.3050, 13.8180**, and if you desaturate by 10%, it is **36.6346, 62.7165, 22.5439**.

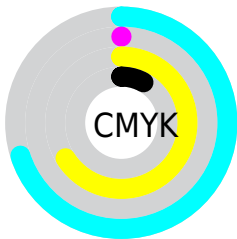
Distribution



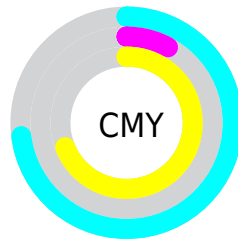
- Red (27%)
- Green (92%)
- Blue (31%)



- Red (27%)
- Yellow (89%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (66%)
- Black (8%)



- Cyan (73%)
- Magenta (8%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6454, 61.2833, 17.4527 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 33.6454, 61.2833, 17.4527 by changing the saturation by 10% instead.

33.6454, 61.2833,
17.4527

33.6454, 61.2833,
17.4527

310.1618,
429.3120, 249.8995

22.7829, 44.4538,
10.3924

64.7298, 106.6890,
39.9038

14.5531, 31.0275,
5.5509

85.6825, 136.0341,
56.1316

8.5906, 20.6198,
2.5097

110.7292,
170.3198, 76.2524

4.5301, 12.8463,
0.8453

140.2354,
209.9306, 100.6847

2.0062, 7.3228,
0.0000

174.5664,
255.2508, 129.8470

0.6374, 3.6648,
0.0000

214.0876,

0.0000, 1.4879,

306.6648, 164.1579

0.0000

259.1643,
364.5571, 204.0359

■ 0.0000, 0.2802,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.6454, 61.2833,
17.4527

■ 33.6454, 61.2833,
17.4527

■ 31.5922, 60.3050,
13.8180

■ 36.6346, 62.7165,
22.5439


■ 30.3599, 59.7201,
11.4838


■ 40.6487, 64.6423,
29.2188


■ 29.7811, 59.4478,
10.2798


■ 45.7713, 67.1030,
37.5950

■ 52.0763, 70.1345,
47.7783

 59.6309, 73.7693,
59.8656

 68.4976, 78.0378,
73.9470

 78.7345, 82.9680,
90.1070

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



46.4467, 61.2833, 7.3258



33.6454, 61.2833, 17.4527



27.9744, 61.2833, 48.1264

Triad

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



33.6454, 61.2833, 17.4527



51.3279, 61.2833, 244.7544



102.7980, 61.2833, 36.5593

Complementary

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



33.6454, 61.2833, 17.4527



50.1800, 27.5343, 74.6212

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.



104.9608, 61.2833, 89.5921



33.6454, 61.2833, 17.4527



71.8959, 61.2833, 234.8730

Square

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



33.6454, 61.2833, 17.4527



36.5098, 61.2833, 190.2380



92.6190, 61.2833, 168.0272



87.2525, 61.2833, 13.1569

Rectangle

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



33.6454, 61.2833, 17.4527



27.8631, 61.2833, 86.0491



92.6190, 61.2833, 168.0272



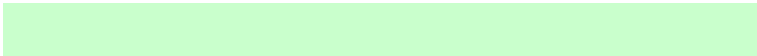
105.2300, 61.2833, 50.5384

Sweetspot

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



33.6469, 61.2858, 17.4541



70.9124, 88.3775, 70.6823



62.4161, 76.1523, 17.2036



14.6133, 18.6446, 14.2271



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.



33.6469, 61.2858, 17.4541



37.2974, 72.2397, 15.2848



38.6466, 63.2857, 43.7824



14.9016, 16.8755, 16.1649



16.5882, 33.0897, 5.7964



1.3143, 2.6030, 0.5171

Inverse Universe

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



50.1800, 27.5343, 74.6212



58.2507, 29.3219, 87.6297



41.5059, 24.0646, 28.9441



15.6772, 15.2987, 18.8516



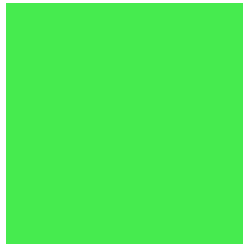
26.4347, 12.7766, 39.6858



2.0866, 1.0076, 3.1736

Previews

White Background



This preview shows how the XYZ color 33.6454, 61.2833, 17.4527 looks on a white background.

Color Contrast Check

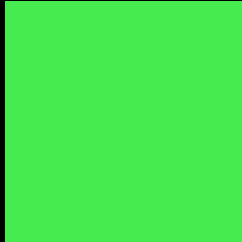
Large Text (above 18pt) WCAG AA × Fail

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 33.6454, 61.2833, 17.4527 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 33.6454, 61.2833, 17.4527

Background



This preview shows how black text looks on a background with the XYZ color 33.6454, 61.2833, 17.4527.

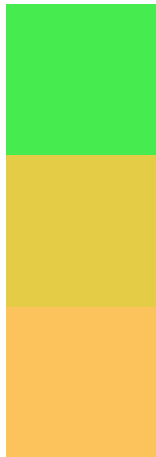


This preview shows how white text looks on a background with the XYZ color 33.6454, 61.2833,

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

33.6454, 61.2833, 17.4527

Protanopia

54.6933, 60.1219, 14.5164

Deuteranopia

61.3684, 60.0517, 18.4819



Tritanopia

48.0960, 61.0043, 90.1290

Trichromacy



Original Color

33.6454, 61.2833, 17.4527



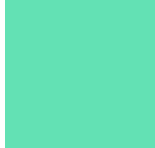
Protanomaly

42.2976, 57.7398, 15.2189



Deuteranomaly

44.7705, 56.7282, 17.6068



Tritanomaly

40.3090, 59.7984, 52.5977

Monochromacy



Original Color

33.6454, 61.2833, 17.4527



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.8093, 44.3824, 30.1300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6454, 61.2833, 17.4527 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(70, 235, 79)` looks like.

```
.text, #text, p{  
    color:rgb(70, 235, 79)  
}
```

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(70, 235, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 235, 79) }
```

Border

The CSS property to change the border of an element to XYZ 33.6454, 61.2833, 17.4527 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(70, 235, 79) }
```


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

```
.border{ border-color:rgb(70, 235, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 235, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 235, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 235, 79);  
box-shadow:4px 4px 4px 4px rgb(70, 235,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6454, 61.2833, 17.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 235, 79) }
```

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

```
.background{ background-color: rgb(70, 235,  
79) }
```

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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