

Converting Colors

XYZ(33.6489, 60.6836, 17.9038)

Have a look what the booklet for
XYZ(33.6489, 60.6836, 17.9038)
contains.

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Color

**XYZ(33.7698, 60.9107,
17.9597)**

Conversions

Conversions Part 1

Format	Color
Hex	4AEA52
RGB	74, 234, 82
RGB Percent	29%, 92%, 32%
CMY	0.7098, 0.0823, 0.6784
CMYK	0.68, 0.00, 0.65, 0.08
HSL	123°, 79%, 60%
HSV	123°, 68%, 92%
XYZ	33.7698, 60.9107, 17.9597
YIQ	168.8320, -46.5680, -81.1920

Conversions

Conversions Part 2

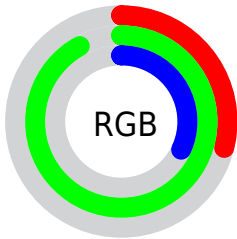
Format	Color
RYB	74, 226, 234
Decimal	4909650
CIELab	82.33, -69.71, 59.85
CIELCh	82, 91.876, 139.350
Yxy	60.9107, 0.2998, 0.5408
Android (android.graphics.Color)	4283099730 (0xFF4AEA52)
YUV	168.8320, -42.8082, -83.1677
Hunter-Lab	78.0453, -59.3433, 40.9880

Details

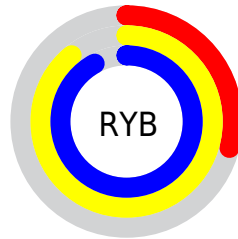
The XYZ color **33.7698, 60.9107, 17.9597** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **50.1093, 27.8817, 74.6918**, and the grayscale version is **37.8517, 39.8229, 43.3672**.

A 20% lighter version of the original color is **51.4307, 79.0769, 36.2196**, and **15.8397, 31.4913, 5.8597** is the 20% darker color. If you saturate the color by 10%, you get **31.5789, 59.8654, 14.1346**, and if you desaturate by 10%, it is **36.9072, 62.4158, 23.2615**.

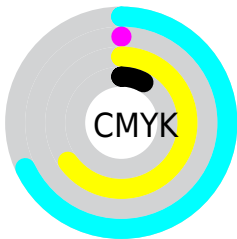
Distribution



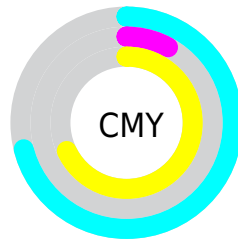
- Red (29%)
- Green (92%)
- Blue (32%)



- Red (29%)
- Yellow (89%)
- Blue (92%)



- Cyan (68%)
- Magenta (0%)
- Yellow (65%)
- Black (8%)



- Cyan (71%)
- Magenta (8%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7698, 60.9107, 17.9597 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 33.7698, 60.9107, 17.9597 by changing the saturation by 10% instead.

33.7698, 60.9107,
17.9597

33.7698, 60.9107,
17.9597

310.7084,
427.9465, 252.8723

22.8789, 44.1531,
10.7519

64.9222, 106.1496,
40.7817

14.6243, 30.7909,
5.7882

85.9144, 135.3997,
57.2329

8.6407, 20.4397,
2.6500

111.0043,
169.5828, 77.6024

4.5628, 12.7150,
0.9181

140.5574,
209.0833, 102.3087

2.0252, 7.2326,
0.0000

174.9390,
254.2855, 131.7702

0.6481, 3.6080,
0.0000

214.5145,

0.0000, 1.4568,

305.5738, 166.4057

0.0000

259.6492,
363.3327, 206.6335

■ 0.0000, 0.2580,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7698, 60.9107,
17.9597

■ 33.7698, 60.9107,
17.9597

■ 31.5789, 59.8654,
14.1346

■ 36.9072, 62.4158,
23.2615

■ 30.2239, 59.2209,
11.6333


■ 41.0772, 64.4171,
30.1648


■ 29.5601, 58.9080,
10.2762


■ 46.3612, 66.9557,
38.7860


■ 29.4886, 58.8740,
10.1481

■ 52.8312, 70.0667,
49.2296

 60.5532, 73.7819,
61.5916

 69.5883, 78.1309,
75.9615

 79.9936, 83.1415,
92.4228

 88.7141, 87.3281,
106.7880

Harmonies

Analogous

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



46.2940, 60.9107, 7.7400



33.7698, 60.9107, 17.9597



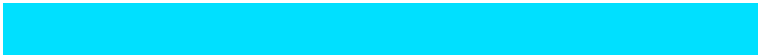
28.2161, 60.9107, 48.3230

Triad

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



33.7698, 60.9107, 17.9597



51.2107, 60.9107, 238.7437



101.1767, 60.9107, 36.6268

Complementary

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



33.7698, 60.9107, 17.9597



50.1093, 27.8817, 74.6918

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.



103.3364, 60.9107, 88.3115



33.7698, 60.9107, 17.9597



71.2855, 60.9107, 228.9385

Square

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



33.7698, 60.9107, 17.9597



36.6680, 60.9107, 186.3721



91.4133, 60.9107, 164.2780



86.0464, 60.9107, 13.5409

Rectangle

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



33.7698, 60.9107, 17.9597



28.1242, 60.9107, 85.4257



91.4133, 60.9107, 164.2780



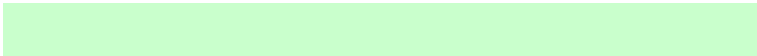
103.5549, 60.9107, 50.3015

Sweetspot

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



33.7713, 60.9132, 17.9611



70.8831, 88.3658, 70.5283



62.0254, 75.5120, 17.7847



14.6065, 18.6419, 14.1914



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.



33.7713, 60.9132, 17.9611



37.6049, 72.3876, 15.7781



38.7699, 62.9127, 44.2835



14.8989, 16.8744, 16.1503



16.5837, 33.0879, 5.7727



1.3130, 2.6025, 0.5101

Inverse Universe

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



50.1093, 27.8817, 74.6918



58.6242, 29.7706, 88.6741



41.5703, 24.4661, 29.7263



15.6804, 15.3000, 18.8681



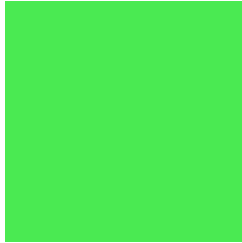
26.5134, 12.8081, 40.1006



2.0920, 1.0098, 3.2017

Previews

White Background



This preview shows how the XYZ color 33.7698, 60.9107, 17.9597 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 33.7698, 60.9107, 17.9597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

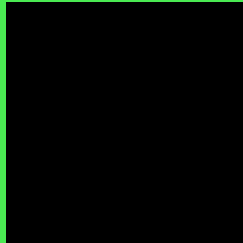
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

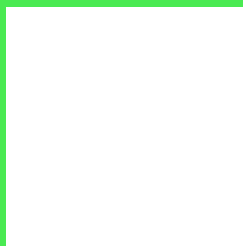
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7698, 60.9107, 17.9597

Background



This preview shows how black text looks on a background with the XYZ color 33.7698, 60.9107, 17.9597.

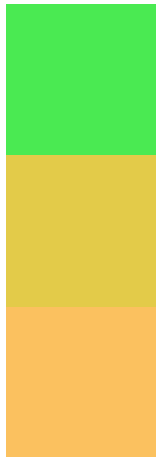


This preview shows how white text looks on a background with the XYZ color 33.7698, 60.9107,

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

33.7698, 60.9107, 17.9597

Protanopia

54.2371, 59.5238, 14.9340

Deuteranopia

60.9192, 59.4754, 19.0956



Tritanopia

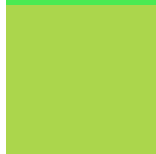
47.8200, 60.4905, 89.2762

Trichromacy



Original Color

33.7698, 60.9107, 17.9597



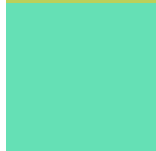
Protanomaly

42.1457, 57.2729, 15.6709



Deuteranomaly

44.8949, 56.4147, 18.1958



Tritanomaly

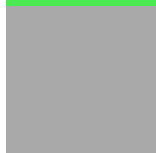
40.3630, 59.4142, 53.0568

Monochromacy



Original Color

33.7698, 60.9107, 17.9597



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.4168, 45.0144, 30.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7698, 60.9107, 17.9597 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(74, 234, 82)` looks like.

```
.text, #text, p{  
    color:rgb(74, 234, 82)  
}
```

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(74, 234, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 234, 82) }
```

Border

The CSS property to change the border of an element to XYZ 33.7698, 60.9107, 17.9597 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(74, 234, 82) }
```


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

```
.border{ border-color:rgb(74, 234, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 234, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 234, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 234, 82);  
box-shadow:4px 4px 4px 4px rgb(74, 234,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7698, 60.9107, 17.9597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 234, 82) }
```

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

```
.background{ background-color: rgb(74, 234,  
82) }
```

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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