

Converting Colors

XYZ(34.8984, 60.2982, 21.6377)

Have a look what the booklet for
XYZ(34.8984, 60.2982, 21.6377)
contains.

XYZ(34.7585, 60.0789, 21.5688)	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(34.7585, 60.0789,
21.5688)**

Conversions

Conversions Part 1

Format	Color
Hex	57E763
RGB	87, 231, 99
RGB Percent	34%, 91%, 39%
CMY	0.6588, 0.0941, 0.6118
CMYK	0.62, 0.00, 0.57, 0.09
HSL	125°, 75%, 62%
HSV	125°, 62%, 91%
XYZ	34.7585, 60.0789, 21.5688
YIQ	172.8960, -43.4520, -71.5800

Conversions

Conversions Part 2

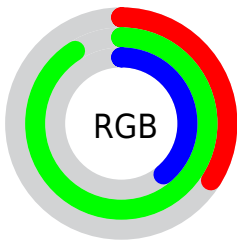
Format	Color
RYB	87, 220, 231
Decimal	5760867
CIELab	81.88, -64.34, 52.17
CIELCh	82, 82.839, 140.964
Yxy	60.0789, 0.2986, 0.5161
Android (android.graphics.Color)	4283950947 (0xFF57E763)
YUV	172.8960, -36.4307, -75.3308
Hunter-Lab	77.5106, -55.5978, 37.7588

Details

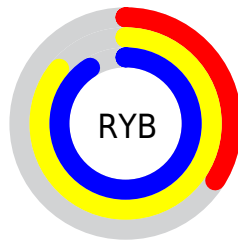
The XYZ color **34.7585, 60.0789, 21.5688** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **49.1510, 28.9207, 70.0104**, and the grayscale version is **39.8644, 41.9405, 45.6732**.

A 20% lighter version of the original color is **54.0874, 80.3039, 42.7865**, and **15.6097, 30.4616, 7.5396** is the 20% darker color. If you saturate the color by 10%, you get **32.0540, 58.7885, 16.8335**, and if you desaturate by 10%, it is **38.4211, 61.8361, 27.7368**.

Distribution



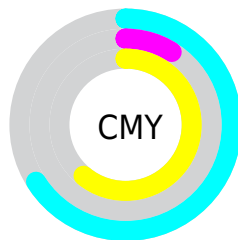
- Red (34%)
- Green (91%)
- Blue (39%)



- Red (34%)
- Yellow (86%)
- Blue (91%)



- Cyan (62%)
- Magenta (0%)
- Yellow (57%)
- Black (9%)





- Cyan (66%)
- Magenta (9%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7585, 60.0789, 21.5688 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 34.7585, 60.0789, 21.5688 by changing the saturation by 10% instead.


 34.7585, 60.0789,
21.5688


 34.7585, 60.0789,
21.5688


315.0278,
424.8885, 273.1658


 23.6425, 43.4822,
13.3451


 66.4480, 104.9441,
46.9253


 15.1920, 30.2637,
7.5331


 87.7522, 133.9815,
64.8952

 9.0414, 20.0388,
3.7142


 113.1832,
167.9345, 86.9509

 4.8255, 12.4233,
1.4699

 143.1064,
207.1876, 113.5110

 2.1790, 7.0326,
0.1954

177.8871,
252.1251, 144.9940

 0.7316, 3.4825,
0.0000

217.8907,

 0.0000, 1.3885,

303.1315, 181.8184

0.0000

263.4824,
360.5912, 224.4028

■ 0.0000, 0.2082,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7585, 60.0789,
21.5688

■ 34.7585, 60.0789,
21.5688

■ 32.0540, 58.7885,
16.8335

■ 38.4211, 61.8361,
27.7368

■ 30.2135, 57.9135,
13.4118


■ 43.1159, 64.0908,
35.4358


■ 29.1315, 57.4041,
11.1724


■ 48.9146, 66.8798,
44.7603


■ 28.6968, 57.2021,
10.1562

■ 55.8813, 70.2342,
55.7959

 64.0753, 74.1829,
68.6223

 73.5517, 78.7528,
83.3142

 84.3623, 83.9690,
99.9419

 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.



45.8945, 60.0789, 10.3939



34.7585, 60.0789, 21.5688



29.9096, 60.0789, 51.4225

Triad

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



34.7585, 60.0789, 21.5688



51.9816, 60.0789, 214.1234



94.6237, 60.0789, 36.6490

Complementary

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



34.7585, 60.0789, 21.5688



49.1510, 28.9207, 70.0104

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.



97.1796, 60.0789, 81.7418



34.7585, 60.0789, 21.5688



70.0026, 60.0789, 202.9036

Square

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



34.7585, 60.0789, 21.5688



38.4305, 60.0789, 172.3960



87.4172, 60.0789, 146.7757



81.0153, 60.0789, 15.4940

Rectangle

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



34.7585, 60.0789, 21.5688



30.0375, 60.0789, 85.5004



87.4172, 60.0789, 146.7757



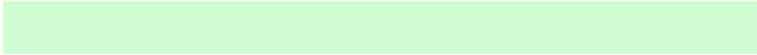
96.8998, 60.0789, 48.7518

Sweetspot

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



34.7600, 60.0814, 21.5702



73.0729, 89.4032, 74.7630



59.5120, 72.9030, 19.9520



15.0404, 18.8468, 15.0594



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.



34.7600, 60.0814, 21.5702



39.2947, 73.1763, 19.5831



39.8586, 62.1209, 48.4192



14.2378, 16.1086, 15.5173



16.1054, 32.0743, 5.7895



1.2071, 2.3770, 0.5173

Inverse Universe

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



49.1510, 28.9207, 70.0104



58.6480, 31.1341, 84.6253



41.6313, 25.9128, 30.4121



14.9406, 14.5934, 17.8874



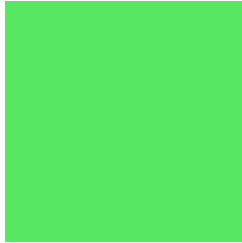
25.1417, 12.1909, 35.9710



1.8733, 0.9070, 2.7392

Previews

White Background



This preview shows how the XYZ color 34.7585, 60.0789, 21.5688 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 34.7585, 60.0789, 21.5688 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 34.7585, 60.0789, 21.5688

Background



This preview shows how black text looks on a background with the XYZ color 34.7585, 60.0789, 21.5688.



This preview shows how white text looks on a background with the XYZ color 34.7585, 60.0789,

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

34.7585, 60.0789, 21.5688

Protanopia

53.7065, 58.8265, 18.1969

Deuteranopia

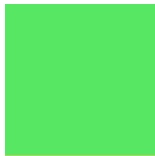
60.0219, 58.5992, 22.8991



Tritanopia

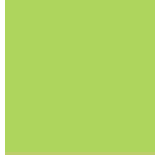
47.6902, 59.7038, 86.8523

Trichromacy



Original Color

34.7585, 60.0789, 21.5688



Protanomaly

43.2256, 57.3775, 19.1527



Deuteranomaly

45.6591, 56.0020, 22.0387



Tritanomaly

41.1849, 58.9965, 55.1157

Monochromacy



Original Color

34.7585, 60.0789, 21.5688



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.6354, 46.4097, 34.2739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7585, 60.0789, 21.5688 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(87, 231, 99)` looks like.

```
.text, #text, p{  
    color:rgb(87, 231, 99)  
}
```

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(87, 231, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 231, 99) }
```

Border

The CSS property to change the border of an element to XYZ 34.7585, 60.0789, 21.5688 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(87, 231, 99) }
```


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

```
.border{ border-color:rgb(87, 231, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 231, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 231, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 231, 99);  
box-shadow:4px 4px 4px 4px rgb(87, 231,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7585, 60.0789, 21.5688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 231, 99) }
```

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

```
.background{ background-color: rgb(87, 231,  
99) }
```

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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