

Converting Colors

XYZ(34.5058, 58.2684, 21.9987)

Have a look what the booklet for
XYZ(34.5058, 58.2684, 21.9987)
contains.

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Color

**XYZ(34.4835, 58.2772,
22.0015)**

Conversions

Conversions Part 1

Format	Color
Hex	5EE366
RGB	94, 227, 102
RGB Percent	37%, 89%, 40%
CMY	0.6314, 0.1098, 0.6000
CMYK	0.59, 0.00, 0.55, 0.11
HSL	124°, 70%, 63%
HSV	124°, 59%, 89%
XYZ	34.4835, 58.2772, 22.0015
YIQ	172.9830, -39.1430, -67.0710

Conversions

Conversions Part 2

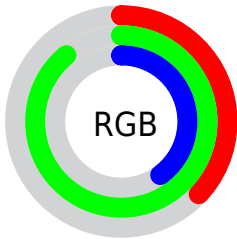
Format	Color
RYB	94, 219, 227
Decimal	6218598
CIELab	80.89, -61.03, 49.69
CIElCh	81, 78.703, 140.845
Yxy	58.2772, 0.3005, 0.5078
Android (android.graphics.Color)	4284408678 (0xFF5EE366)
YUV	172.9830, -34.9946, -69.2681
Hunter-Lab	76.3395, -52.9635, 36.3499

Details

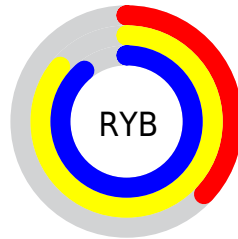
The XYZ color **34.4835, 58.2772, 22.0015** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **48.4692, 29.4518, 70.1495**, and the grayscale version is **39.9003, 41.9782, 45.7143**.

A 20% lighter version of the original color is **55.2783, 80.8889, 44.1521**, and **14.9667, 28.9906, 7.7126** is the 20% darker color. If you saturate the color by 10%, you get **31.5637, 56.8806, 17.0351**, and if you desaturate by 10%, it is **38.3627, 60.1403, 28.4364**.

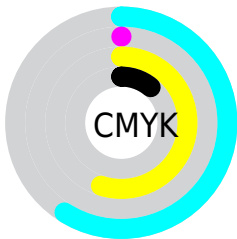
Distribution



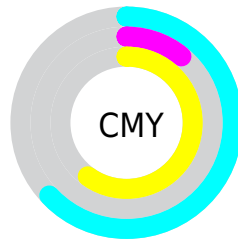
- Red (37%)
- Green (89%)
- Blue (40%)



- Red (37%)
- Yellow (86%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (55%)
- Black (11%)





- Cyan (63%)
- Magenta (11%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4835, 58.2772, 22.0015 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 34.4835, 58.2772, 22.0015 by changing the saturation by 10% instead.


 34.4835, 58.2772,
22.0015


 34.4835, 58.2772,
22.0015


313.8307,
418.2180, 275.5079

 23.4299, 42.0315,
13.6597


 66.0242, 102.3264,
47.6507


 15.0337, 29.1260,
7.7483


 87.2420, 130.8988,
65.7952

 8.9295, 19.1762,
3.8489

 112.5785,
164.3488, 88.0442

 4.7520, 11.7976,
1.5428

 142.3993,
203.0609, 114.8165

 2.1357, 6.6060,
0.2495

177.0695,
247.4195, 146.5304

 0.7085, 3.2170,
0.0000

216.9546,

 0.0000, 1.2460,

297.8090, 183.6046

0.0000

262.4199,
354.6137, 226.4576

■ 0.0000, 0.0988,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.4835, 58.2772,
22.0015

■ 34.4835, 58.2772,
22.0015

■ 31.5637, 56.8806,
17.0351

■ 38.3627, 60.1403,
28.4364

■ 29.5158, 55.9028,
13.4179


■ 43.2706, 62.4984,
36.4387


■ 28.2435, 55.2987,
11.0188


■ 49.2750, 65.3861,
46.1037


■ 27.6089, 55.0006,
9.6777


■ 56.4367, 68.8328,
57.5175

 27.5472, 54.9713,
9.5620

 64.8119, 72.8660,
70.7605

 74.4534, 77.5111,
85.9083

 85.4106, 82.7921,
103.0319

 86.7602, 83.4205,
106.1367

Harmonies

Analogous

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



44.9780, 58.2772, 11.1268



34.4835, 58.2772, 22.0015



29.8700, 58.2772, 50.2284

Triad

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



34.4835, 58.2772, 22.0015



50.5565, 58.2772, 199.5612



90.1121, 58.2772, 36.5916

Complementary

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



34.4835, 58.2772, 22.0015



48.4692, 29.4518, 70.1495

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.



92.4151, 58.2772, 78.8185



34.4835, 58.2772, 22.0015



67.2980, 58.2772, 189.5832

Square

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



34.4835, 58.2772, 22.0015



37.8776, 58.2772, 161.4985



83.3949, 58.2772, 138.5962



77.6093, 58.2772, 16.2222

Rectangle

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



34.4835, 58.2772, 22.0015



29.9764, 58.2772, 81.8689



83.3949, 58.2772, 138.5962



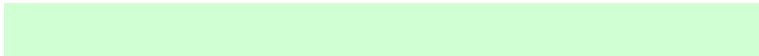
92.1895, 58.2772, 48.0308

Sweetspot

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



34.4849, 58.2796, 22.0028



73.9490, 89.8364, 75.6385



59.1132, 71.0196, 21.1825



15.2047, 18.9286, 15.1995



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.



34.4849, 58.2796, 22.0028



40.5105, 73.7691, 21.1719



39.0757, 60.1159, 46.1774



14.2243, 16.1032, 15.4460



16.0790, 32.0637, 5.6502



1.2006, 2.3744, 0.4831

Inverse Universe

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



48.4692, 29.4518, 70.1495



60.2278, 33.0455, 88.9996



41.5032, 26.6654, 33.4670



14.9557, 14.5995, 17.9671



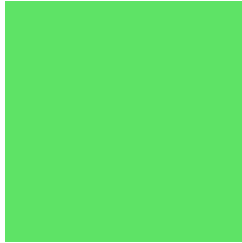
25.5206, 12.3425, 37.9662



1.8973, 0.9166, 2.8658

Previews

White Background



This preview shows how the XYZ color 34.4835, 58.2772, 22.0015 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 34.4835, 58.2772, 22.0015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

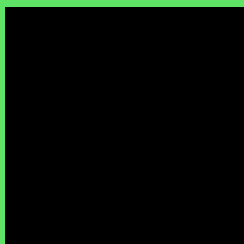
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

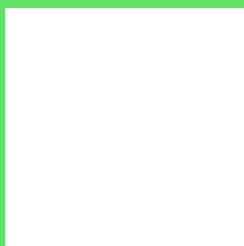
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4835, 58.2772, 22.0015

Background



This preview shows how black text looks on a background with the XYZ color 34.4835, 58.2772, 22.0015.

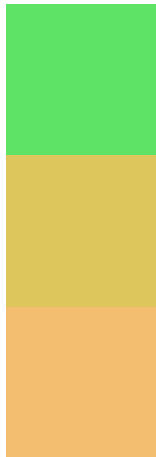


This preview shows how white text looks on a background with the XYZ color 34.4835, 58.2772,

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

34.4835, 58.2772, 22.0015

Protanopia

52.2180, 57.0093, 18.6076

Deuteranopia

58.3002, 57.0514, 23.2685



Tritanopia

46.6755, 57.7180, 84.2819

Trichromacy



Original Color

34.4835, 58.2772, 22.0015



Protanomaly

42.5910, 55.5594, 19.5456



Deuteranomaly

45.0490, 54.6134, 22.3545



Tritanomaly

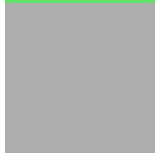
40.6626, 57.1809, 54.2413

Monochromacy



Original Color

34.4835, 58.2772, 22.0015



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.8380, 46.1758, 34.6277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4835, 58.2772, 22.0015 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(94, 227, 102)` looks like.

```
.text, #text, p{  
    color:rgb(94, 227, 102)  
}
```

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(94, 227, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 227, 102) }
```

Border

The CSS property to change the border of an element to XYZ 34.4835, 58.2772, 22.0015 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(94, 227, 102) }
```


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

```
.border{ border-color:rgb(94, 227, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 227, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 227, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 227, 102);  
box-shadow:4px 4px 4px 4px rgb(94, 227,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4835, 58.2772, 22.0015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 227, 102) }
```

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

```
.background{ background-color: rgb(94, 227,  
102) }
```

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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