

Converting Colors

XYZ(34.8588, 56.0180, 19.9016)

Have a look what the booklet for
XYZ(34.8588, 56.0180, 19.9016)
contains.

XYZ(34.8614, 56.1165, 19.8207)	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(34.8614, 56.1165,
19.8207)**

Conversions

Conversions Part 1

Format	Color
Hex	72DD5F
RGB	114, 221, 95
RGB Percent	45%, 87%, 37%
CMY	0.5529, 0.1333, 0.6274
CMYK	0.48, 0.00, 0.57, 0.13
HSL	111°, 65%, 62%
HSV	111°, 57%, 87%
XYZ	34.8614, 56.1165, 19.8207
YIQ	174.6430, -23.3260, -61.8700

Conversions

Conversions Part 2

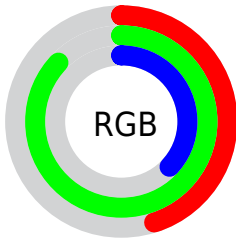
Format	Color
RYB	95, 221, 202
Decimal	7527775
CIELab	79.68, -54.51, 51.62
CIELCh	80, 75.068, 136.559
Yxy	56.1165, 0.3146, 0.5065
Android (android.graphics.Color)	4285717855 (0xFF72DD5F)
YUV	174.6430, -39.2640, -53.1839
Hunter-Lab	74.9109, -48.0254, 36.7501

Details

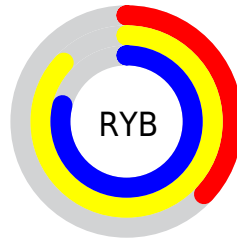
The XYZ color **34.8614, 56.1165, 19.8207** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **41.5036, 25.9635, 71.2336**, and the grayscale version is **40.7693, 42.8924, 46.7099**.

A 20% lighter version of the original color is **58.1981, 82.4606, 41.2829**, and **15.2715, 27.8004, 6.6589** is the 20% darker color. If you saturate the color by 10%, you get **31.8004, 54.6402, 15.1571**, and if you desaturate by 10%, it is **38.7110, 57.9697, 26.0108**.

Distribution



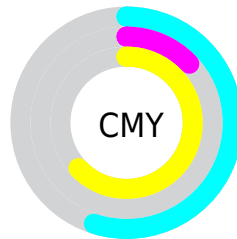
- Red (45%)
- Green (87%)
- Blue (37%)



- Red (37%)
- Yellow (87%)
- Blue (79%)



- Cyan (48%)
- Magenta (0%)
- Yellow (57%)
- Black (13%)





- Cyan (55%)
- Magenta (13%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8614, 56.1165, 19.8207 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 34.8614, 56.1165, 19.8207 by changing the saturation by 10% instead.


 34.8614, 56.1165,
19.8207


 34.8614, 56.1165,
19.8207


315.4749,
410.1304, 263.5149


 23.7221, 40.2963,
12.0820


 66.6064, 99.1749,
43.9714


 15.2513, 27.7697,
6.6763


 87.9429, 127.1819,
61.2204

 9.0834, 18.1521,
3.1852


 113.4092,
160.0200, 82.4767

 4.8531, 11.0592,
1.1899

 143.3706,
198.0736, 108.1587

 2.1952, 6.1067,
0.0000

178.1926,
241.7270, 138.6850

 0.7402, 2.9101,
0.0000

218.2403,

 0.0000, 1.0850,

291.3647, 174.4741

0.0000

263.8793,
347.3710, 215.9445

■ 0.0000, 0.0000,
0.0000

■ 34.8614, 56.1165,
19.8207

■ 34.8614, 56.1165,
19.8207

■ 31.8004, 54.6402,
15.1571

■ 38.7110, 57.9697,
26.0108

■ 29.4682, 53.5080,
11.8842

■ 43.3952, 60.2161,
33.8403

■ 27.8029, 52.6928,
9.8486

■ 48.9613, 62.8793,
43.4158

■ 26.7277, 52.1595,
8.8487

■ 55.4517, 65.9793,
54.8340

■ 26.4951, 52.0438,
8.6490

■ 62.9064, 69.5345,
68.1843

■ 71.3626, 73.5625,
83.5504

■ 80.8557, 78.0797,
101.0110

■ 85.1476, 80.1952,
105.5992

Harmonies

Analogous

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



45.4594, 56.1165, 10.9516



34.8614, 56.1165, 19.8207



29.7285, 56.1165, 43.6912

Triad

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



34.8614, 56.1165, 19.8207



46.8495, 56.1165, 183.4327



86.4084, 56.1165, 40.2782

Complementary

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



34.8614, 56.1165, 19.8207



41.5036, 25.9635, 71.2336

Split Complementary

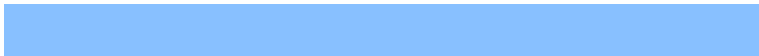
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9755, 56.1165, 82.6130



34.8614, 56.1165, 19.8207



62.0760, 56.1165, 180.9987

Square

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



34.8614, 56.1165, 19.8207



35.7123, 56.1165, 143.8807



77.4025, 56.1165, 138.2742



75.9748, 56.1165, 18.3437

Rectangle

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



34.8614, 56.1165, 19.8207



29.3192, 56.1165, 71.1333



77.4025, 56.1165, 138.2742



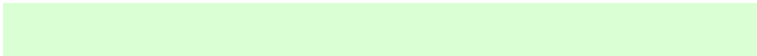
87.8193, 56.1165, 52.0599

Sweetspot

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



34.8628, 56.1189, 19.8219



76.5685, 91.1899, 75.6219



52.5411, 57.5096, 19.1586



15.9778, 19.3222, 15.4578



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.



34.8628, 56.1189, 19.8219



43.4209, 75.2951, 20.1480



35.0929, 55.9545, 32.6191



13.0683, 14.7000, 13.8742



15.4500, 30.2623, 5.0269



1.0597, 1.9908, 0.3284

Inverse Universe

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



41.5036, 25.9635, 71.2336



53.3049, 29.8290, 97.5558



42.0498, 26.8128, 45.6091



13.4115, 13.1702, 16.4874



19.6605, 9.2595, 40.4894



1.3271, 0.6274, 2.6256

Previews

White Background



This preview shows how the XYZ color 34.8614, 56.1165, 19.8207 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 34.8614, 56.1165, 19.8207 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 34.8614, 56.1165, 19.8207

Background



This preview shows how black text looks on a background with the XYZ color 34.8614, 56.1165, 19.8207.

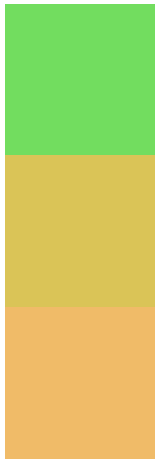


This preview shows how white text looks on a background with the XYZ color 34.8614, 56.1165,

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

34.8614, 56.1165, 19.8207

Protanopia

50.3737, 55.0734, 16.9921

Deuteranopia

56.2042, 55.0654, 20.7631



Tritanopia

46.6579, 55.9825, 78.8676

Trichromacy



Original Color

34.8614, 56.1165, 19.8207



Protanomaly

42.4992, 54.1041, 17.8761



Deuteranomaly

45.0205, 53.2558, 20.2185



Tritanomaly

40.9360, 55.5087, 50.1517

Monochromacy



Original Color

34.8614, 56.1165, 19.8207



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.1748, 46.5469, 34.2193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8614, 56.1165, 19.8207 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(114, 221, 95)` looks like.

```
.text, #text, p{  
    color:rgb(114, 221, 95)  
}
```

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(114, 221, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 221, 95) }
```

Border

The CSS property to change the border of an element to XYZ 34.8614, 56.1165, 19.8207 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(114, 221, 95) }
```


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

```
.border{ border-color:rgb(114, 221, 95) }
```

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

Here you see how a box with a 4 pixel rgb(114, 221, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 221, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 221, 95);  
box-shadow:4px 4px 4px 4px rgb(114, 221,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8614, 56.1165, 19.8207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 221, 95) }
```

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

```
.background{ background-color: rgb(114,  
221, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor