

Converting Colors

XYZ(34.6848, 57.5600, 36.6675)

Have a look what the booklet for
XYZ(34.6848, 57.5600, 36.6675)
contains.

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Color

**XYZ(34.6994, 57.6613,
36.4950)**

Conversions

Conversions Part 1

Format	Color
Hex	43E292
RGB	67, 226, 146
RGB Percent	26%, 89%, 57%
CMY	0.7372, 0.1137, 0.4274
CMYK	0.70, 0.00, 0.35, 0.11
HSL	150°, 73%, 57%
HSV	150°, 70%, 89%
XYZ	34.6994, 57.6613, 36.4950
YIQ	169.3390, -69.0840, -58.5880

Conversions

Conversions Part 2

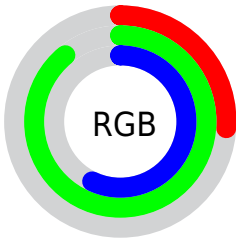
Format	Color
RYB	67, 173, 226
Decimal	4448914
CIELab	80.55, -58.81, 27.54
CIELCh	81, 64.939, 154.909
Yxy	57.6613, 0.2693, 0.4475
Android (android.graphics.Color)	4282638994 (0xFF43E292)
YUV	169.3390, -11.5061, -89.7513
Hunter-Lab	75.9350, -51.3187, 24.6593

Details

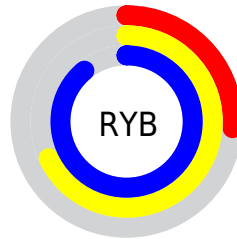
The XYZ color **34.6994, 57.6613, 36.4950** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **38.6395, 22.2909, 29.8721**, and the grayscale version is **37.9612, 39.9381, 43.4926**.

A 20% lighter version of the original color is **56.0168, 80.7585, 67.2791**, and **16.2535, 29.2022, 15.6064** is the 20% darker color. If you saturate the color by 10%, you get **32.6007, 56.6781, 32.0074**, and if you desaturate by 10%, it is **37.4932, 58.9958, 41.4771**.

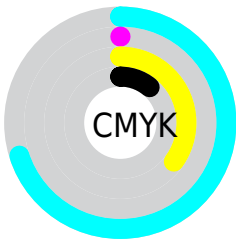
Distribution



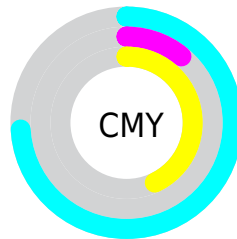
- Red (26%)
- Green (89%)
- Blue (57%)



- Red (26%)
- Yellow (68%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (35%)
- Black (11%)





- Cyan (74%)
- Magenta (11%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6994, 57.6613, 36.4950 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 34.6994, 57.6613, 36.4950 by changing the saturation by 10% instead.


 34.6994, 57.6613,
36.4950


 34.6994, 57.6613,
36.4950


314.7708,
415.9227, 346.2216


 23.5968, 41.5364,
24.5240


 66.3569, 101.4295,
70.9730


 15.1579, 28.7385,
15.5070


 87.6426, 129.8415,
94.3172

 9.0173, 18.8831,
9.0254


 113.0534,
163.1181, 122.2894

 4.8097, 11.5858,
4.6607

 142.9545,
201.6436, 155.3083

 2.1696, 6.4623,
1.9944

177.7115,
245.8025, 193.7925

 0.7267, 3.1282,
0.5518

217.6897,

 0.0000, 1.1990,

295.9790, 238.1604

0.0000

263.2543,
352.5576, 288.8306

■ 0.0000, 0.0609,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6994, 57.6613,
36.4950

■ 34.6994, 57.6613,
36.4950

■ 32.6007, 56.6781,
32.0074

■ 37.4932, 58.9958,
41.4771


■ 31.1154, 55.9997,
27.9932


■ 41.0431, 60.7080,
46.9655


■ 30.1381, 55.5711,
24.5515


■ 45.4079, 62.8296,
52.9765


■ 50.6391, 65.3869,
59.5244

 56.7840, 68.4039,
66.6228

 63.8861, 71.9030,
74.2848

 71.9862, 75.9048,
82.5230

 81.1227, 80.4289,
91.3497

 85.4344, 82.4536,
100.5007

Harmonies

Analogous

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



41.3954, 57.6613, 19.7488



34.6994, 57.6613, 36.4950



33.0117, 57.6613, 69.2826

Triad

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



34.6994, 57.6613, 36.4950



57.0300, 57.6613, 168.1302



78.6520, 57.6613, 29.4237

Complementary

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



34.6994, 57.6613, 36.4950



38.6395, 22.2909, 29.8721

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.



84.5471, 57.6613, 56.7038



34.6994, 57.6613, 36.4950



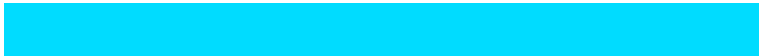
70.8374, 57.6613, 144.3709

Square

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



34.6994, 57.6613, 36.4950



44.6297, 57.6613, 155.6033



81.4782, 57.6613, 99.3808



66.4209, 57.6613, 16.9813

Rectangle

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



34.6994, 57.6613, 36.4950



34.6739, 57.6613, 99.0924



81.4782, 57.6613, 99.3808



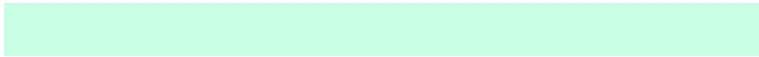
81.5233, 57.6613, 36.6433

Sweetspot

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



34.7009, 57.6636, 36.4963



73.9799, 89.6045, 86.8358



40.6332, 61.2041, 14.9828



15.3334, 18.9326, 18.0188



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.



34.7009, 57.6636, 36.4963



41.9506, 74.1009, 39.7880



42.8795, 60.9350, 79.5641



13.8113, 15.4503, 16.0416



17.2530, 31.7261, 14.3214



1.2411, 2.2171, 1.2306

Inverse Universe

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



38.6395, 22.2909, 29.8721



47.4170, 24.9885, 30.5806



34.4672, 20.6220, 7.9011



13.9935, 13.8150, 15.7358



19.6767, 9.9377, 10.2292



1.4091, 0.7069, 0.9471

Previews

White Background



This preview shows how the XYZ color 34.6994, 57.6613, 36.4950 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 34.6994, 57.6613, 36.4950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

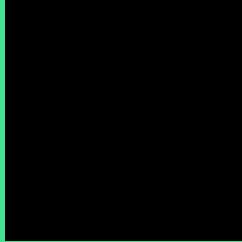
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6994, 57.6613, 36.4950

Background



This preview shows how black text looks on a background with the XYZ color 34.6994, 57.6613, 36.4950.



This preview shows how white text looks on a background with the XYZ color 34.6994, 57.6613,

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

34.6994, 57.6613, 36.4950

Protanopia

52.5215, 56.5565, 30.7026

Deuteranopia

57.5249, 56.3158, 38.4100



Tritanopia

44.3752, 57.2508, 85.8025

Trichromacy



Original Color

34.6994, 57.6613, 36.4950



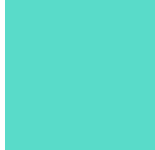
Protanomaly

41.8413, 54.5238, 32.3636



Deuteranomaly

43.9551, 53.7169, 37.3299



Tritanomaly

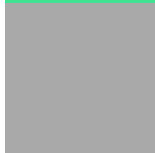
39.9940, 57.0039, 64.1533

Monochromacy



Original Color

34.6994, 57.6613, 36.4950



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.3622, 44.3057, 40.4590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6994, 57.6613, 36.4950 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(67, 226, 146)` looks like.

```
.text, #text, p{  
    color:rgb(67, 226, 146)  
}
```

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(67, 226, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 226, 146) }
```

Border

The CSS property to change the border of an element to XYZ 34.6994, 57.6613, 36.4950 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(67, 226, 146) }
```


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

```
.border{ border-color:rgb(67, 226, 146) }
```

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

Here you see how a box with a 4 pixel rgb(67, 226, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 226, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 226, 146);  
box-shadow:4px 4px 4px 4px rgb(67, 226,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6994, 57.6613, 36.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 226, 146) }
```

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

```
.background{ background-color: rgb(67, 226,  
146) }
```

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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