

# Converting Colors

XYZ(34.8812, 57.7734, 25.3966)

Have a look what the booklet for  
XYZ(34.8812, 57.7734, 25.3966)  
contains.

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# Color

**XYZ(34.7390, 57.5211,  
25.4914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FE173
RGB	95, 225, 115
RGB Percent	37%, 88%, 45%
CMY	0.6274, 0.1176, 0.5490
CMYK	0.58, 0.00, 0.49, 0.12
HSL	129°, 68%, 63%
HSV	129°, 58%, 88%
XYZ	34.7390, 57.5211, 25.4914
YIQ	173.5900, -42.1700, -61.7700

# Conversions

## Conversions Part 2

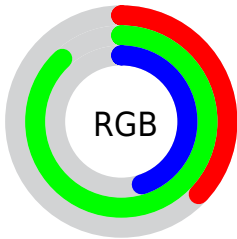
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 208, 225
Decimal	6283635
CIELab	80.47, -58.34, 43.07
CIELCh	80, 72.511, 143.565
Yxy	57.5211, 0.2950, 0.4885
Android (android.graphics.Color)	4284473715 (0xFF5FE173)
YUV	173.5900, -28.8849, -68.9234
Hunter-Lab	75.8427, -50.9645, 33.1620

# Details

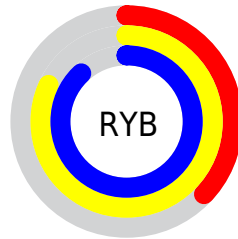
The XYZ color **34.7390, 57.5211, 25.4914** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **46.1646, 28.6007, 60.8462**, and the grayscale version is **40.1818, 42.2744, 46.0368**.

A 20% lighter version of the original color is **56.4390, 81.3531, 50.2642**, and **15.2794, 28.8317, 9.6103** is the 20% darker color. If you saturate the color by 10%, you get **31.7460, 56.0936, 20.2117**, and if you desaturate by 10%, it is **38.6360, 59.3918, 31.9969**.

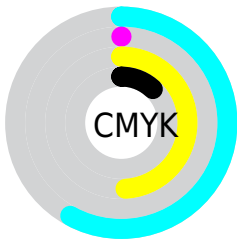
# Distribution



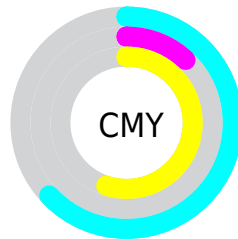
- Red (37%)
- Green (88%)
- Blue (45%)



- Red (37%)
- Yellow (82%)
- Blue (88%)



- Cyan (58%)
- Magenta (0%)
- Yellow (49%)
- Black (12%)



- Cyan (63%)
- Magenta (12%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7390, 57.5211, 25.4914 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 34.7390, 57.5211, 25.4914 by changing the saturation by 10% instead.



■ 34.7390, 57.5211,  
25.4914

■ 34.7390, 57.5211,  
25.4914

314.9430,  
415.3991, 293.8020

■ 23.6275, 41.4238,  
16.2212

■ 66.4179, 101.2251,  
53.4273

■ 15.1807, 28.6504,  
9.5248

■ 87.7160, 129.6006,  
72.9300

■ 9.0335, 18.8165,  
4.9836

■ 113.1404,  
162.8376, 96.6807

■ 4.8203, 11.5377,  
2.1790

■ 143.0563,  
201.3205, 125.0979

■ 2.1759, 6.4298,  
0.6622

177.8292,  
245.4337, 158.6000

■ 0.7300, 3.1081,  
0.0000

217.8244,

■ 0.0000, 1.1884,

295.5616, 197.6057

0.0000

263.4072,  
352.0886, 242.5336

■ 0.0000, 0.0522,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.7390, 57.5211,  
25.4914

■ 34.7390, 57.5211,  
25.4914

■ 31.7460, 56.0936,  
20.2117

■ 38.6360, 59.3918,  
31.9969

■ 29.5787, 55.0656,  
16.0772


■ 43.4982, 61.7308,  
39.7943


■ 28.1525, 54.3969,  
13.0038

■ 49.3866, 64.5699,  
48.9497


■ 27.3526, 54.0304,  
10.8936

■ 56.3558, 67.9358,  
59.5236

 27.2241, 53.9718,  
10.5433

 64.4565, 71.8535,  
71.5725

 73.7361, 76.3465,  
85.1503

 84.2395, 81.4366,  
100.3079

 86.2163, 82.3327,  
105.9554

# Harmonies

## Analogous

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



44.0164, 57.5211, 13.5559



34.7390, 57.5211, 25.4914



30.8917, 57.5211, 53.8916

# Triad

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



34.7390, 57.5211, 25.4914



51.5288, 57.5211, 184.3772



85.3014, 57.5211, 35.2595

# Complementary

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



34.7390, 57.5211, 25.4914



46.1646, 28.6007, 60.8462

# 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.



88.3020, 57.5211, 72.2669



34.7390, 57.5211, 25.4914



66.9220, 57.5211, 171.7084

# Square

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



34.7390, 57.5211, 25.4914



39.3841, 57.5211, 154.3458



81.0615, 57.5211, 124.9612



73.4784, 57.5211, 17.1419



# Rectangle

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



34.7390, 57.5211, 25.4914



31.3157, 57.5211, 83.8740



81.0615, 57.5211, 124.9612



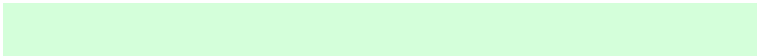
87.4545, 57.5211, 45.3162

# Sweetspot

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



34.7404, 57.5235, 25.4927



75.5074, 90.5438, 80.0463



54.3079, 67.7298, 21.0375



15.7311, 19.1720, 16.4862



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.



34.7404, 57.5235, 25.4927



41.5965, 74.2275, 25.8038



39.8334, 59.5607, 52.3120



13.6143, 15.3715, 15.0042



15.7142, 31.1105, 6.2180



1.1163, 2.1672, 0.5735



# Inverse Universe

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



46.1646, 28.6007, 60.8462



58.0333, 32.4566, 76.5529



39.9157, 26.1011, 27.9397



14.1996, 13.8975, 16.8215



23.3083, 11.3903, 29.3530

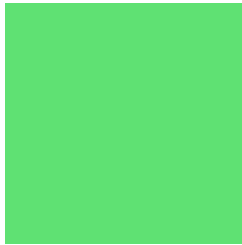


1.6404, 0.7994, 2.1653



# Previews

## White Background



This preview shows how the XYZ color 34.7390, 57.5211, 25.4914 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 34.7390, 57.5211, 25.4914 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 34.7390, 57.5211, 25.4914

## Background



This preview shows how black text looks on a background with the XYZ color 34.7390, 57.5211, 25.4914.



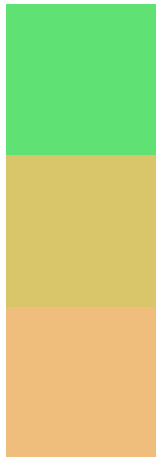
This preview shows how white text looks on a background with the XYZ color 34.7390, 57.5211,



# 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

34.7390, 57.5211, 25.4914

### Protanopia

51.7090, 56.3342, 21.7839

### Deuteranopia

57.4323, 56.2012, 26.8897



## Tritanopia

45.9985, 57.0292, 82.7121

# Trichromacy



## Original Color

34.7390, 57.5211, 25.4914



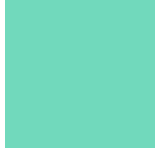
## Protanomaly

42.5498, 55.1001, 22.8608



## Deuteranomaly

45.0652, 54.1863, 26.1730



## Tritanomaly

40.7000, 56.7673, 56.3890

# Monochromacy



## Original Color

34.7390, 57.5211, 25.4914



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

36.4968, 46.4596, 37.1810

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7390, 57.5211, 25.4914 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(95, 225, 115)` looks like.

```
.text, #text, p{  
    color:rgb(95, 225, 115)  
}
```

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(95, 225, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 225, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7390, 57.5211, 25.4914 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(95, 225, 115) }
```



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

```
.border{ border-color:rgb(95, 225, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 225, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 225, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 225, 115);  
box-shadow:4px 4px 4px 4px rgb(95, 225,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7390, 57.5211, 25.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 225, 115) }
```

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

```
.background{ background-color: rgb(95, 225,  
115) }
```

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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