

# Converting Colors

XYZ(34.8417, 58.3653, 25.6314)

Have a look what the booklet for  
XYZ(34.8417, 58.3653, 25.6314)  
contains.

<b>XYZ(34.8780, 58.4001, 25.6537)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(34.8780, 58.4001,  
25.6537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE373
RGB	91, 227, 115
RGB Percent	36%, 89%, 45%
CMY	0.6431, 0.1098, 0.5490
CMYK	0.60, 0.00, 0.49, 0.11
HSL	131°, 71%, 62%
HSV	131°, 60%, 89%
XYZ	34.8780, 58.4001, 25.6537
YIQ	173.5680, -45.1040, -63.6640

# Conversions

## Conversions Part 2

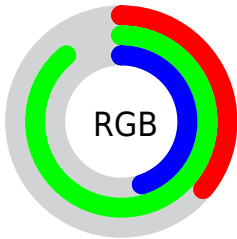
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 207, 227
Decimal	6022003
CIELab	80.96, -59.97, 43.65
CIELCh	81, 74.171, 143.952
Yxy	58.4001, 0.2933, 0.4910
Android (android.graphics.Color)	4284212083 (0xFF5BE373)
YUV	173.5680, -28.8740, -72.4121
Hunter-Lab	76.4200, -52.2677, 33.5907

# Details

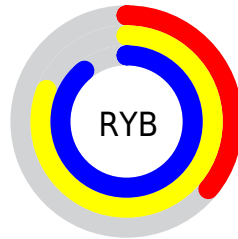
The XYZ color **34.8780, 58.4001, 25.6537** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **46.2009, 28.1260, 59.4956**, and the grayscale version is **40.1717, 42.2637, 46.0252**.

A 20% lighter version of the original color is **55.8703, 81.0600, 50.2376**, and **15.3001, 29.1196, 9.6647** is the 20% darker color. If you saturate the color by 10%, you get **32.0007, 57.0304, 20.4623**, and if you desaturate by 10%, it is **38.6529, 60.2107, 32.0283**.

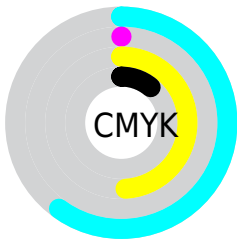
# Distribution



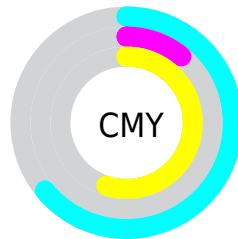
- Red (36%)
- Green (89%)
- Blue (45%)



- Red (36%)
- Yellow (81%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (49%)
- Black (11%)




- Cyan (64%)
- Magenta (11%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8780, 58.4001, 25.6537 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 34.8780, 58.4001, 25.6537 by changing the saturation by 10% instead.





 34.8780, 58.4001,  
25.6537


 34.8780, 58.4001,  
25.6537


315.5470,  
418.6751, 294.6291


 23.7350, 42.1304,  
16.3413


 66.6320, 102.5053,  
53.6930


 15.2608, 29.2034,  
9.6090


 87.9737, 131.1095,  
73.2569

 9.0901, 19.2347,  
5.0383


 113.4457,  
164.5941, 97.0751

 4.8576, 11.8400,  
2.2106

 143.4132,  
203.3433, 125.5661

 2.1979, 6.6348,  
0.6805

178.2418,  
247.7416, 159.1485

 0.7416, 3.2348,  
0.0000

218.2967,

 0.0000, 1.2555,

298.1735, 198.2408

0.0000

263.9433,  
355.0232, 243.2615

■ 0.0000, 0.1064,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.8780, 58.4001,  
25.6537

■ 34.8780, 58.4001,  
25.6537

■ 32.0007, 57.0304,  
20.4623

■ 38.6529, 60.2107,  
32.0283

■ 29.9404, 56.0566,  
16.3774


■ 43.3887, 62.4883,  
39.6488


■ 28.6086, 55.4363,  
13.3192


■ 49.1476, 65.2654,  
48.5782


■ 27.8596, 55.0964,  
11.1940


■ 55.9855, 68.5697,  
58.8739

 27.8542, 55.0940,  
11.1790

 63.9540, 72.4266,  
70.5901

 73.1017, 76.8599,  
83.7779

 83.4740, 81.8922,  
98.4860

 86.7602, 83.4204,  
106.1367

# Harmonies

## Analogous

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



44.3537, 58.4001, 13.3627



34.8780, 58.4001, 25.6537



31.0006, 58.4001, 55.0802

# Triad

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



34.8780, 58.4001, 25.6537



52.4515, 58.4001, 190.3497



87.1327, 58.4001, 35.0452

# Complementary

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



34.8780, 58.4001, 25.6537



46.2009, 28.1260, 59.4956

# 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.



90.3875, 58.4001, 72.9292



34.8780, 58.4001, 25.6537



68.3901, 58.4001, 176.5382

# Square

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



34.8780, 58.4001, 25.6537



39.8697, 58.4001, 159.5015



82.9941, 58.4001, 127.5296



74.7779, 58.4001, 16.7693



# Rectangle

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



34.8780, 58.4001, 25.6537



31.4828, 58.4001, 86.2548



82.9941, 58.4001, 127.5296



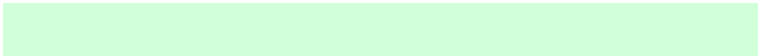
89.4120, 58.4001, 45.2866

# Sweetspot

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



34.8794, 58.4025, 25.6550



74.6333, 90.1101, 79.2417



54.3529, 68.5808, 20.2707



15.3681, 18.9939, 16.0597



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.



34.8794, 58.4025, 25.6550



40.8766, 73.8702, 25.1477



40.1942, 60.5284, 53.6421



14.2926, 16.1305, 15.8058



16.2740, 32.1417, 6.6775



1.2331, 2.3874, 0.6543



# Inverse Universe

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



46.2009, 28.1260, 59.4956



56.7840, 31.1236, 72.5435



39.8889, 25.6012, 26.2571



14.8802, 14.5693, 17.5696



23.7414, 11.6308, 28.5970



1.7832, 0.8710, 2.2646



# Previews

## White Background



This preview shows how the XYZ color 34.8780, 58.4001, 25.6537 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 34.8780, 58.4001, 25.6537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

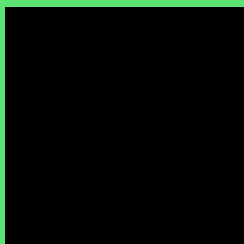
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.8780, 58.4001, 25.6537**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8780, 58.4001, 25.6537.



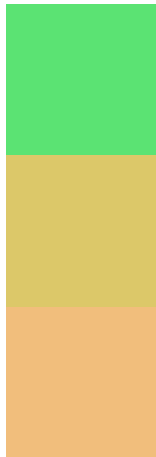
This preview shows how white text looks on a background with the XYZ color 34.8780, 58.4001,



# 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

34.8780, 58.4001, 25.6537

### Protanopia

52.7193, 57.5441, 21.6931

### Deuteranopia

58.3272, 56.9829, 26.9934



## Tritanopia

46.4964, 58.0002, 84.3459

# Trichromacy



## Original Color

34.8780, 58.4001, 25.6537



## Protanomaly

43.0405, 56.0816, 23.0243



## Deuteranomaly

45.0568, 54.5315, 26.2400



## Tritanomaly

41.0724, 57.7167, 57.1198

# Monochromacy



## Original Color

34.8780, 58.4001, 25.6537



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

36.3213, 46.3691, 37.1728

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8780, 58.4001, 25.6537 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(91, 227, 115)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 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(91, 227, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8780, 58.4001, 25.6537 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(91, 227, 115) }
```



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

```
.border{ border-color:rgb(91, 227, 115) }
```

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

Here you see how a box with a 4 pixel rgb(91, 227, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 115);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8780, 58.4001, 25.6537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 115) }
```

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

```
.background{ background-color: rgb(91, 227,  
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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