

# Converting Colors

XYZ(34.1560, 57.0134, 33.0038)

Have a look what the booklet for  
XYZ(34.1560, 57.0134, 33.0038)  
contains.

<b>XYZ(34.1882, 57.0730, 32.8812)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.1882, 57.0730,  
32.8812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49E189
RGB	73, 225, 137
RGB Percent	29%, 88%, 54%
CMY	0.7137, 0.1176, 0.4627
CMYK	0.68, 0.00, 0.39, 0.12
HSL	145°, 72%, 58%
HSV	145°, 68%, 88%
XYZ	34.1882, 57.0730, 32.8812
YIQ	169.5200, -62.3440, -59.5920

# Conversions

## Conversions Part 2

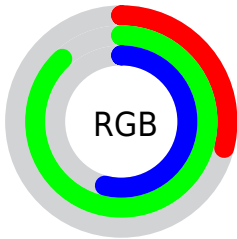
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 180, 225
Decimal	4841865
CIELab	80.22, -59.15, 31.72
CIELCh	80, 67.120, 151.802
Yxy	57.0730, 0.2754, 0.4597
Android (android.graphics.Color)	4283031945 (0xFF49E189)
YUV	169.5200, -16.0324, -84.6480
Hunter-Lab	75.5467, -51.4276, 27.0771

# Details

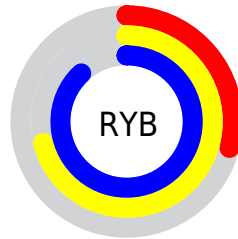
The XYZ color **34.1882, 57.0730, 32.8812** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **39.8687, 23.3470, 36.1252**, and the grayscale version is **38.0703, 40.0529, 43.6176**.

A 20% lighter version of the original color is **55.6452, 80.6849, 61.9311**, and **15.6823, 28.6771, 13.5128** is the 20% darker color. If you saturate the color by 10%, you get **31.9031, 55.9981, 28.1880**, and if you desaturate by 10%, it is **37.2054, 58.5154, 38.2001**.

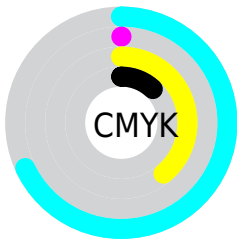
# Distribution



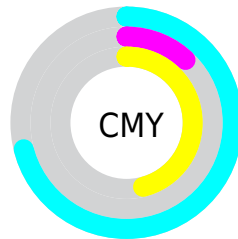
- Red (29%)
- Green (88%)
- Blue (54%)



- Red (29%)
- Yellow (71%)
- Blue (88%)



- Cyan (68%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)




- Cyan (71%)
- Magenta (12%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1882, 57.0730, 32.8812 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 34.1882, 57.0730, 32.8812 by changing the saturation by 10% instead.





 34.1882, 57.0730,  
32.8812


 34.1882, 57.0730,  
32.8812


312.5416,  
413.7228, 329.7297


 23.2018, 41.0639,  
21.7651


 65.5686, 100.5717,  
65.3039


 14.8641, 28.3690,  
13.4877


 86.6933, 128.8300,  
87.4475

 8.8098, 18.6040,  
7.6306


 111.9281,  
161.9402, 114.1041

 4.6734, 11.3845,  
3.7751

 141.6384,  
200.2867, 145.6921

 2.0897, 6.3261,  
1.5028

176.1895,  
244.2537, 182.6301

 0.6836, 3.0443,  
0.2200

215.9469,

 0.0000, 1.1549,

294.2259, 225.3367

0.0000

261.2758,  
350.5874, 274.2304

■ 0.0000, 0.0244,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.1882, 57.0730,  
32.8812

■ 34.1882, 57.0730,  
32.8812

■ 31.9031, 55.9981,  
28.1880

■ 37.2054, 58.5154,  
38.2001

■ 30.2717, 55.2460,  
24.0923


■ 41.0138, 60.3507,  
44.1637


■ 29.1961, 54.7684,  
20.5687


■ 45.6712, 62.6097,  
50.7948


■ 28.9799, 54.6740,  
19.7897


■ 51.2286, 65.3184,  
58.1139

 57.7326, 68.5004,  
66.1405

 65.2267, 72.1778,  
74.8933

 73.7517, 76.3712,  
84.3904

 83.3458, 81.1000,  
94.6492

 86.0945, 82.2838,  
105.3142

# Harmonies

## Analogous

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



41.5172, 57.0730, 17.5548



34.1882, 57.0730, 32.8812



31.9507, 57.0730, 64.5444

# Triad

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



34.1882, 57.0730, 32.8812



55.0784, 57.0730, 172.1287



79.8491, 57.0730, 30.2668

# Complementary

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



34.1882, 57.0730, 32.8812



39.8687, 23.3470, 36.1252

# 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.



85.0577, 57.0730, 59.8015



34.1882, 57.0730, 32.8812



69.3425, 57.0730, 150.8151

# Square

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



34.1882, 57.0730, 32.8812



42.7287, 57.0730, 155.1382



80.9253, 57.0730, 105.0321



67.6670, 57.0730, 16.5536

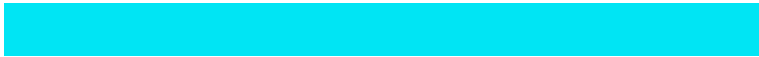


# Rectangle

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



34.1882, 57.0730, 32.8812



33.2833, 57.0730, 94.5760



80.9253, 57.0730, 105.0321



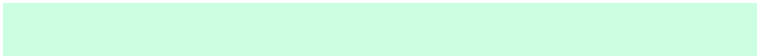
82.5577, 57.0730, 38.1282

# Sweetspot

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



34.1897, 57.0753, 32.8825



74.3171, 89.8195, 84.9932



42.9623, 61.9805, 16.0029



15.3760, 18.9652, 17.5405



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.



34.1897, 57.0753, 32.8825



41.4029, 73.9204, 35.1620



41.6004, 60.0396, 71.9068



13.7670, 15.4325, 15.8083



16.7544, 31.5266, 11.6955



1.2053, 2.2028, 1.0423



# Inverse Universe

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



39.8687, 23.3470, 36.1252



49.3864, 26.2393, 39.5234



35.1017, 21.4402, 11.0228



14.0383, 13.8329, 15.9717



20.2849, 10.1809, 13.4317



1.4505, 0.7235, 1.1650



# Previews

## White Background



This preview shows how the XYZ color 34.1882, 57.0730, 32.8812 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 34.1882, 57.0730, 32.8812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

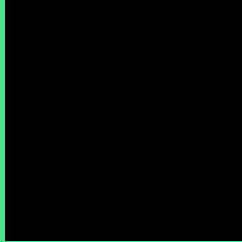
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.1882, 57.0730, 32.8812**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1882, 57.0730, 32.8812.



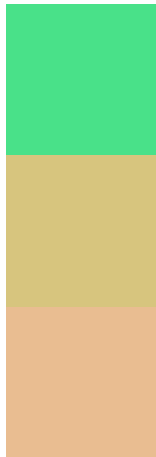
This preview shows how white text looks on a background with the XYZ color 34.1882, 57.0730,



# 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

34.1882, 57.0730, 32.8812

### Protanopia

51.7565, 55.8859, 27.7979

### Deuteranopia

56.9127, 55.7632, 34.5518



## Tritanopia

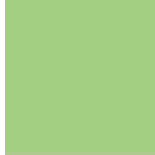
44.4142, 56.9268, 84.2484

# Trichromacy



## Original Color

34.1882, 57.0730, 32.8812



## Protanomaly

41.4463, 54.0239, 29.3623



## Deuteranomaly

43.6822, 53.3080, 33.5784



## Tritanomaly

39.7655, 56.5537, 61.6434

# Monochromacy



## Original Color

34.1882, 57.0730, 32.8812



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

34.5767, 44.4464, 39.1044

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1882, 57.0730, 32.8812 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(73, 225, 137)` looks like.

```
.text, #text, p{  
    color:rgb(73, 225, 137)  
}
```

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(73, 225, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 225, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1882, 57.0730, 32.8812 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(73, 225, 137) }
```



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

```
.border{ border-color:rgb(73, 225, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 225, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 225, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 225, 137);  
box-shadow:4px 4px 4px 4px rgb(73, 225,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1882, 57.0730, 32.8812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 225, 137) }
```

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

```
.background{ background-color: rgb(73, 225,  
137) }
```

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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