

# Converting Colors

XYZ(34.1118, 53.5803, 29.3130)

Have a look what the booklet for  
XYZ(34.1118, 53.5803, 29.3130)  
contains.

<b>XYZ(34.1118, 53.5803, 29.3130)</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(34.1118, 53.5803,  
29.3130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67D881
RGB	103, 216, 129
RGB Percent	40%, 85%, 51%
CMY	0.5961, 0.1529, 0.4941
CMYK	0.52, 0.00, 0.40, 0.15
HSL	134°, 59%, 63%
HSV	134°, 52%, 85%
XYZ	34.1118, 53.5803, 29.3130
YIQ	172.2950, -39.4210, -51.0130

# Conversions

## Conversions Part 2

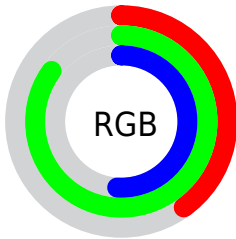
Format	Color
<a href="#">RYB</a>	<a href="#">103, 195, 216</a>
Decimal	<a href="#">6805633</a>
CIELab	<a href="#">78.22, -50.78, 33.30</a>
CIELCh	<a href="#">78, 60.726, 146.744</a>
Yxy	<a href="#">53.5803, 0.2915, 0.4579</a>
Android (android.graphics.Color)	<a href="#">4284995713 (0xFF67D881)</a>
YUV	<a href="#">172.2950, -21.3444, -60.7717</a>
Hunter-Lab	<a href="#">73.1986, -44.9134, 27.4958</a>

# Details

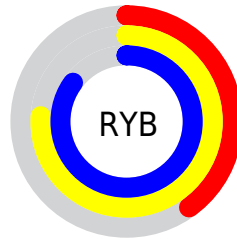
The XYZ color **34.1118, 53.5803, 29.3130** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **42.4650, 28.0181, 51.8866**, and the grayscale version is **39.4824, 41.5385, 45.2354**.

A 20% lighter version of the original color is **59.0052, 82.5160, 57.6170**, and **14.7827, 26.1230, 11.4708** is the 20% darker color. If you saturate the color by 10%, you get **30.9301, 52.0591, 23.8563**, and if you desaturate by 10%, it is **38.1161, 55.5078, 35.7497**.

# Distribution



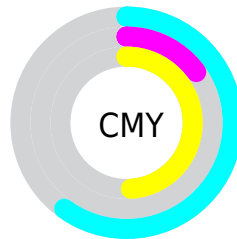
- Red (40%)
- Green (85%)
- Blue (51%)



- Red (40%)
- Yellow (76%)
- Blue (85%)



- Cyan (52%)
- Magenta (0%)
- Yellow (40%)
- Black (15%)




- Cyan (60%)
- Magenta (15%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1118, 53.5803, 29.3130 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 34.1118, 53.5803, 29.3130 by changing the saturation by 10% instead.





 34.1118, 53.5803,  
29.3130


 34.1118, 53.5803,  
29.3130


312.2074,  
400.5075, 312.7959


 23.1428, 38.2662,  
19.0701


 65.4506, 95.4577,  
59.6221


 14.8203, 26.1894,  
11.5436


 86.5512, 122.7899,  
80.5254

 8.7788, 16.9654,  
6.3150


 111.7596,  
154.8968, 105.8193

 4.6532, 10.2098,  
2.9657

 141.4412,  
192.1630, 135.9223

 2.0779, 5.5383,  
1.0771

175.9615,  
234.9727, 171.2529

 0.6771, 2.5664,  
0.0000

215.6857,

 0.0000, 0.9098,

283.7105, 212.2297

0.0000

260.9792,  
338.7606, 259.2712

■ 0.0000, 0.0000,  
0.0000

■ 34.1118, 53.5803,  
29.3130

■ 34.1118, 53.5803,  
29.3130

■ 30.9301, 52.0591,  
23.8563

■ 38.1161, 55.5078,  
35.7497

■ 28.5078, 50.9081,  
19.3278

■ 42.9919, 57.8614,  
43.2075

■ 26.7790, 50.0959,  
15.6765

■ 48.7892, 60.6673,  
51.7297

■ 25.6638, 49.5825,  
12.8447

■ 55.5528, 63.9481,  
61.3559

■ 25.1262, 49.3416,  
11.1835

■ 63.3248, 67.7244,  
72.1236

72.1446, 72.0159,  
84.0688

82.0494, 76.8411,  
97.2255

83.8469, 77.5939,  
105.1656

# Harmonies

## Analogous

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



41.3223, 53.5803, 17.2464



34.1118, 53.5803, 29.3130



31.3536, 53.5803, 54.7016

# Triad

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



34.1118, 53.5803, 29.3130



49.6397, 53.5803, 151.0747



74.1737, 53.5803, 33.5727

# Complementary

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



34.1118, 53.5803, 29.3130



42.4650, 28.0181, 51.8866

# 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.



77.3096, 53.5803, 62.1360



34.1118, 53.5803, 29.3130



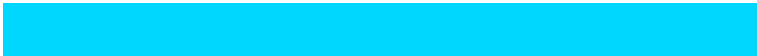
61.9141, 53.5803, 138.4452

# Square

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



34.1118, 53.5803, 29.3130



39.3976, 53.5803, 131.9375



72.5187, 53.5803, 102.0776



64.5100, 53.5803, 18.9488



# Rectangle

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



34.1118, 53.5803, 29.3130



32.0327, 53.5803, 79.2916



72.5187, 53.5803, 102.0776



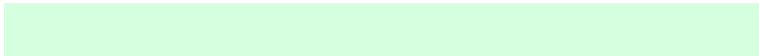
76.0855, 53.5803, 41.4480

# Sweetspot

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



34.1132, 53.5825, 29.3142



76.9487, 91.2057, 83.7771



48.6221, 61.2371, 22.0895



16.0314, 19.3090, 17.3075



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.



34.1132, 53.5825, 29.3142



44.5302, 75.5655, 33.8233



38.8009, 55.4576, 53.9994



12.3783, 13.9423, 13.8066



14.9060, 29.2177, 6.8006



0.9313, 1.7752, 0.5800



# Inverse Universe

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



42.4650, 28.0181, 51.8866



57.9334, 34.3916, 69.9387



37.5449, 26.0500, 25.9778



12.8251, 12.5815, 15.0192



20.8953, 10.2944, 22.5503

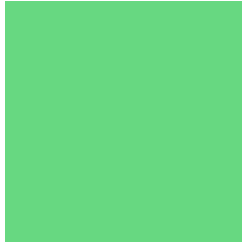


1.2908, 0.6331, 1.5207



# Previews

## White Background



This preview shows how the XYZ color 34.1118, 53.5803, 29.3130 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 34.1118, 53.5803, 29.3130 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 34.1118, 53.5803, 29.3130

## Background



This preview shows how black text looks on a background with the XYZ color 34.1118, 53.5803, 29.3130.



This preview shows how white text looks on a background with the XYZ color 34.1118, 53.5803,



# 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

34.1118, 53.5803, 29.3130

### Protanopia

48.8181, 52.7570, 25.3794

### Deuteranopia

53.5793, 52.5525, 30.6123



## **Tritanopia**

43.6203, 53.3722, 77.1101

# Trichromacy



## Original Color

34.1118, 53.5803, 29.3130



## Protanomaly

41.2564, 51.8613, 26.5747



## Deuteranomaly

43.5020, 51.2406, 29.7879



## Tritanomaly

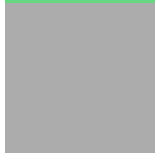
39.3488, 53.0833, 55.7492

# Monochromacy



## Original Color

34.1118, 53.5803, 29.3130



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

36.0166, 44.5698, 38.1570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1118, 53.5803, 29.3130 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(103, 216, 129)` looks like.

```
.text, #text, p{  
    color:rgb(103, 216, 129)  
}
```

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(103, 216, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 216, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1118, 53.5803, 29.3130 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(103, 216, 129) }
```



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

```
.border{ border-color:rgb(103, 216, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 216, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 216, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 216, 129); box-shadow:4px 4px 4px 4px rgb(103, 216, 129) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1118, 53.5803, 29.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 216, 129) }
```

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

```
.background{ background-color: rgb(103,  
216, 129) }
```

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