

Converting Colors

XYZ(34.8926, 57.0562, 13.8765)

Have a look what the booklet for
XYZ(34.8926, 57.0562, 13.8765)
contains.

XYZ(34.8926, 57.0562, 13.8765)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.8926, 57.0562,
13.8765)**

Conversions

Conversions Part 1

Format	Color
Hex	77DF3F
RGB	119, 223, 63
RGB Percent	47%, 87%, 25%
CMY	0.5333, 0.1255, 0.7529
CMYK	0.47, 0.00, 0.72, 0.13
HSL	99°, 71%, 56%
HSV	99°, 72%, 87%
XYZ	34.8926, 57.0562, 13.8765
YIQ	173.6640, -10.6240, -71.8080

Conversions

Conversions Part 2

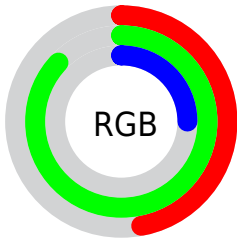
Format	Color
RYB	63, 223, 167
Decimal	7855935
CIELab	80.21, -56.69, 65.23
CIElCh	80, 86.423, 130.991
Yxy	57.0562, 0.3297, 0.5392
Android (android.graphics.Color)	4286046015 (0xFF77DF3F)
YUV	173.6640, -54.5574, -47.9403
Hunter-Lab	75.5356, -49.7316, 41.9828

Details

The XYZ color **34.8926, 57.0562, 13.8765** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **31.0363, 17.1002, 71.4801**, and the grayscale version is **40.3360, 42.4366, 46.2135**.

A 20% lighter version of the original color is **57.5103, 82.3410, 30.6316**, and **15.4496, 28.4782, 4.6826** is the 20% darker color. If you saturate the color by 10%, you get **32.5515, 55.9091, 11.1468**, and if you desaturate by 10%, it is **37.7921, 58.4655, 17.9513**.

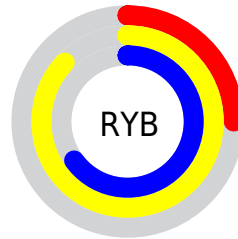
Distribution



Red (47%)

Green (87%)

Blue (25%)



Red (25%)

Yellow (87%)

Blue (65%)

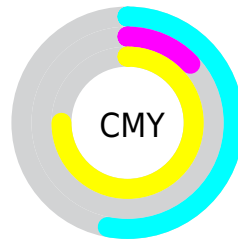


Cyan (47%)

Magenta (0%)

Yellow (72%)

Black (13%)



Cyan (53%)


Magenta (13%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8926, 57.0562, 13.8765 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 34.8926, 57.0562, 13.8765 by changing the saturation by 10% instead.


 34.8926, 57.0562,
13.8765


 34.8926, 57.0562,
13.8765


315.6103,
413.6599, 227.8628

 23.7463, 41.0504,
7.8971


 66.6545, 100.5472,
33.5837

 15.2692, 28.3584,
3.9423


 88.0007, 128.8011,
48.1485


 9.0961, 18.5960,
1.5938


 113.4777,
161.9066, 66.4122

 4.8615, 11.3787,
0.2864

 143.4507,
200.2479, 88.7934

 2.2002, 6.3222,
0.0000

 178.2851,
244.2095, 115.7104

 0.7428, 3.0420,
0.0000

218.3463,

 0.0000, 1.1537,

294.1757, 147.5820

0.0000

263.9996,
350.5311, 184.8266

■ 0.0000, 0.0234,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8926, 57.0562,
13.8765

■ 34.8926, 57.0562,
13.8765

■ 32.5515, 55.9091,
11.1468

■ 37.7921, 58.4655,
17.9513


■ 30.7186, 54.9968,
9.5862


■ 41.2860, 60.1473,
23.5114

■ 29.5344, 54.3993,
8.9435

■ 45.4115, 62.1196,
30.6832


■ 50.2012, 64.3968,
39.5788

 55.6853, 66.9923,
50.3003

 61.8919, 69.9186,
62.9418

 68.8477, 73.1874,
77.5908

 76.5777, 76.8099,
94.3296

 83.6715, 80.2230,
105.6824

Harmonies

Analogous

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



48.0198, 57.0562, 7.2447



34.8926, 57.0562, 13.8765



28.0760, 57.0562, 35.5605

Triad

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



34.8926, 57.0562, 13.8765



43.9194, 57.0562, 206.5750



94.7858, 57.0562, 45.3905

Complementary

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



34.8926, 57.0562, 13.8765



31.0363, 17.1002, 71.4801

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.



93.0164, 57.0562, 99.4229



34.8926, 57.0562, 13.8765



60.9542, 57.0562, 214.5036

Square

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



34.8926, 57.0562, 13.8765



32.4531, 57.0562, 150.0606



79.6478, 57.0562, 168.0179



84.0585, 57.0562, 17.7198

Rectangle

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



34.8926, 57.0562, 13.8765



26.9038, 57.0562, 63.8183



79.6478, 57.0562, 168.0179



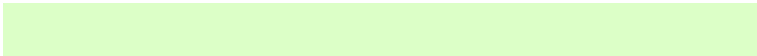
95.6836, 57.0562, 60.4609

Sweetspot

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



34.8939, 57.0586, 13.8778



75.1303, 90.6266, 67.5049



45.1498, 43.6869, 10.7562



15.6283, 19.1839, 13.5514



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.



34.8939, 57.0586, 13.8778



42.8130, 75.1197, 13.8882



30.1597, 54.5229, 17.9524



13.9790, 15.5693, 14.5752



17.4757, 32.0416, 5.2636



1.3058, 2.2697, 0.3693

Inverse Universe

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



31.0363, 17.1002, 71.4801



37.0900, 17.9586, 96.1192



42.5200, 23.3681, 56.3051



13.8052, 13.6831, 17.3012



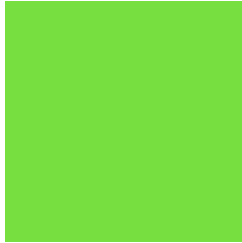
14.8197, 6.7351, 41.5673



1.1229, 0.5162, 2.8857

Previews

White Background



This preview shows how the XYZ color 34.8926, 57.0562, 13.8765 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 34.8926, 57.0562, 13.8765 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 34.8926, 57.0562, 13.8765

Background



This preview shows how black text looks on a background with the XYZ color 34.8926, 57.0562, 13.8765.



This preview shows how white text looks on a background with the XYZ color 34.8926, 57.0562,

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

34.8926, 57.0562, 13.8765

Protanopia

51.0568, 56.2132, 12.0301

Deuteranopia

57.2938, 56.0811, 14.6425



Tritanopia

48.0005, 56.6590, 79.6405

Trichromacy



Original Color

34.8926, 57.0562, 13.8765



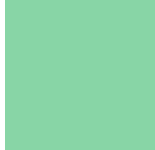
Protanomaly

43.1098, 55.2557, 12.5310



Deuteranomaly

45.8434, 54.5076, 14.0660



Tritanomaly

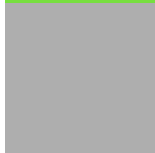
40.8305, 55.5759, 44.6516

Monochromacy



Original Color

34.8926, 57.0562, 13.8765



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.4791, 46.2905, 29.5666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8926, 57.0562, 13.8765 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(119, 223, 63)` looks like.

```
.text, #text, p{  
    color:rgb(119, 223, 63)  
}
```

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(119, 223, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 223, 63) }
```

Border

The CSS property to change the border of an element to XYZ 34.8926, 57.0562, 13.8765 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(119, 223, 63) }
```


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

```
.border{ border-color:rgb(119, 223, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 223, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 223, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 223, 63);  
box-shadow:4px 4px 4px 4px rgb(119, 223,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8926, 57.0562, 13.8765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 223, 63) }
```

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

```
.background{ background-color: rgb(119,  
223, 63) }
```

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