

Converting Colors

XYZ(35.9499, 57.0142, 13.8127)

Have a look what the booklet for
XYZ(35.9499, 57.0142, 13.8127)
contains.

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Color

**XYZ(36.0717, 57.2686,
13.8554)**

Conversions

Conversions Part 1

Format	Color
Hex	81DE3F
RGB	129, 222, 63
RGB Percent	51%, 87%, 25%
CMY	0.4941, 0.1294, 0.7529
CMYK	0.42, 0.00, 0.72, 0.13
HSL	95°, 71%, 56%
HSV	95°, 72%, 87%
XYZ	36.0717, 57.2686, 13.8554
YIQ	176.0670, -4.3890, -69.1650

Conversions

Conversions Part 2

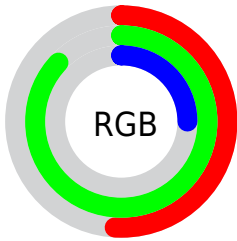
Format	Color
RYB	63, 222, 156
Decimal	8511039
CIELab	80.33, -53.21, 65.49
CIElCh	80, 84.384, 129.095
Yxy	57.2686, 0.3365, 0.5342
Android (android.graphics.Color)	4286701119 (0xFF81DE3F)
YUV	176.0670, -55.7420, -41.2778
Hunter-Lab	75.6760, -47.3493, 42.1179

Details

The XYZ color **36.0717, 57.2686, 13.8554** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **28.6758, 15.8989, 70.6680**, and the grayscale version is **41.5866, 43.7524, 47.6463**.

A 20% lighter version of the original color is **59.8892, 83.5674, 30.7429**, and **16.0905, 28.5376, 4.6603** is the 20% darker color. If you saturate the color by 10%, you get **33.7236, 56.1177, 11.1344**, and if you desaturate by 10%, it is **38.9232, 58.6537, 17.9072**.

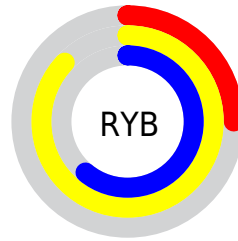
Distribution



Red (51%)

Green (87%)

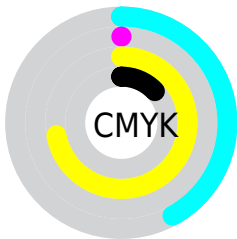
Blue (25%)



Red (25%)

Yellow (87%)

Blue (61%)

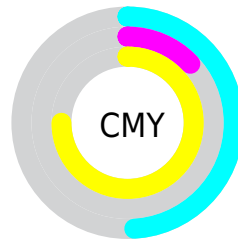


Cyan (42%)

Magenta (0%)

Yellow (72%)

Black (13%)



Cyan (49%)


Magenta (13%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0717, 57.2686, 13.8554 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 36.0717, 57.2686, 13.8554 by changing the saturation by 10% instead.


 36.0717, 57.2686,
13.8554


 36.0717, 57.2686,
13.8554


320.6996,
414.4550, 227.7265


 24.6599, 41.2209,
7.8826


 68.4659, 100.8570,
33.5457

 15.9513, 28.4918,
3.9332


 90.1790, 129.1665,
48.1002


 9.5803, 18.6967,
1.5888


 116.0566,
162.3321, 66.3523

 5.1817, 11.4513,
0.2828

 146.4641,
200.7382, 88.7206

 2.3901, 6.3713,
0.0000

 181.7667,
244.7691, 115.6237

 0.8402, 3.0721,
0.0000

222.3300,

 0.0000, 1.1695,

294.8093, 147.4800

0.0000

268.5192,
351.2431, 184.7080

■ 0.0000, 0.0366,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0717, 57.2686,
13.8554

■ 36.0717, 57.2686,
13.8554

■ 33.7236, 56.1177,
11.1344

■ 38.9232, 58.6537,
17.9072

■ 31.8334, 55.1759,
9.5708

■ 42.3099, 60.2809,
23.4278

■ 30.5506, 54.5278,
8.9147

■ 46.2648, 62.1664,
30.5420

■ 50.8171, 64.3227,
39.3604

■ 55.9933, 66.7614,
49.9836

■ 61.8186, 69.4933,
62.5045

■ 68.3164, 72.5287,
77.0095

■ 75.5090, 75.8773,
93.5797

■ 82.1342, 79.0350,
105.5341

Harmonies

Analogous

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



49.3527, 57.2686, 7.7159



36.0717, 57.2686, 13.8554



28.9433, 57.2686, 34.2193

Triad

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



36.0717, 57.2686, 13.8554



43.4286, 57.2686, 199.9519



94.2172, 57.2686, 48.5057

Complementary

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



36.0717, 57.2686, 13.8554



28.6758, 15.8989, 70.6680

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.



91.6925, 57.2686, 102.7881



36.0717, 57.2686, 13.8554



59.8485, 57.2686, 211.1607

Square

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



36.0717, 57.2686, 13.8554



32.5249, 57.2686, 143.5460



78.1567, 57.2686, 169.0279



84.4641, 57.2686, 19.5723

Rectangle

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



36.0717, 57.2686, 13.8554



27.5357, 57.2686, 60.8673



78.1567, 57.2686, 169.0279



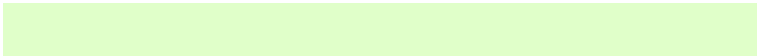
94.8141, 57.2686, 63.8683

Sweetspot

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



36.0730, 57.2711, 13.8567



76.9959, 91.5539, 69.1498



42.8704, 39.5841, 10.0845



16.0370, 19.3879, 13.8730



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.



36.0730, 57.2711, 13.8567



44.7849, 76.1362, 13.9805



29.4862, 53.8274, 15.7198



14.0650, 15.6137, 14.5792



18.2654, 32.4487, 5.3005



1.3662, 2.3008, 0.3721

Inverse Universe

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



28.6758, 15.8989, 70.6680



33.9772, 16.3539, 95.9736



43.3818, 23.6773, 62.4463



13.7164, 13.6374, 17.2970



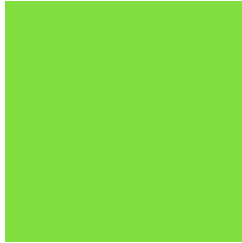
13.4160, 6.0115, 41.5016



1.0311, 0.4688, 2.8814

Previews

White Background



This preview shows how the XYZ color 36.0717, 57.2686, 13.8554 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 36.0717, 57.2686, 13.8554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

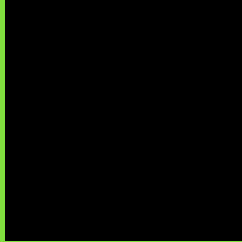
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0717, 57.2686, 13.8554

Background



This preview shows how black text looks on a background with the XYZ color 36.0717, 57.2686, 13.8554.



This preview shows how white text looks on a background with the XYZ color 36.0717, 57.2686,

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

36.0717, 57.2686, 13.8554

Protanopia

51.0568, 56.2132, 12.0301

Deuteranopia

57.6455, 56.2624, 14.6590



Tritanopia

49.0938, 56.8775, 78.9119

Trichromacy



Original Color

36.0717, 57.2686, 13.8554



Protanomaly

43.8413, 55.6328, 12.5652



Deuteranomaly

46.6934, 54.6009, 14.0392



Tritanomaly

42.0121, 55.8233, 44.1580

Monochromacy



Original Color

36.0717, 57.2686, 13.8554



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.7412, 47.2601, 30.0546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0717, 57.2686, 13.8554 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(129, 222, 63)` looks like.

```
.text, #text, p{  
    color:rgb(129, 222, 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(129, 222, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 222, 63) }
```

Border

The CSS property to change the border of an element to XYZ 36.0717, 57.2686, 13.8554 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(129, 222, 63) }
```


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

```
.border{ border-color:rgb(129, 222, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 222, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 222, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 222, 63);  
box-shadow:4px 4px 4px 4px rgb(129, 222,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0717, 57.2686, 13.8554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 222, 63) }
```

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

```
.background{ background-color: rgb(129,  
222, 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](#).

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