

Converting Colors

XYZ(35.9408, 58.4606, 26.6687)

Have a look what the booklet for
XYZ(35.9408, 58.4606, 26.6687)
contains.

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Color

**XYZ(35.9459, 58.5255,
26.5415)**

Conversions

Conversions Part 1

Format	Color
Hex	66E276
RGB	102, 226, 118
RGB Percent	40%, 89%, 46%
CMY	0.6000, 0.1137, 0.5372
CMYK	0.55, 0.00, 0.48, 0.11
HSL	128°, 68%, 64%
HSV	128°, 55%, 89%
XYZ	35.9459, 58.5255, 26.5415
YIQ	176.6120, -39.2360, -59.8760

Conversions

Conversions Part 2

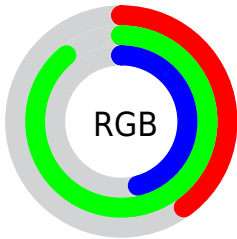
Format	Color
RYB	102, 212, 226
Decimal	6742646
CIELab	81.03, -56.65, 42.36
CIELCh	81, 70.736, 143.215
Yxy	58.5255, 0.2970, 0.4836
Android (android.graphics.Color)	4284932726 (0xFF66E276)
YUV	176.6120, -28.8957, -65.4347
Hunter-Lab	76.5020, -50.0068, 32.9814

Details

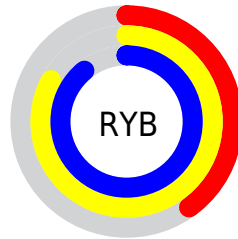
The XYZ color **35.9459, 58.5255, 26.5415** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **47.7501, 30.3258, 64.3115**, and the grayscale version is **41.7491, 43.9233, 47.8325**.

A 20% lighter version of the original color is **58.1067, 82.1799, 51.8295**, and **15.9835, 29.4618, 10.1545** is the 20% darker color. If you saturate the color by 10%, you get **32.6751, 56.9624, 20.9070**, and if you desaturate by 10%, it is **40.1618, 60.5510, 33.4968**.

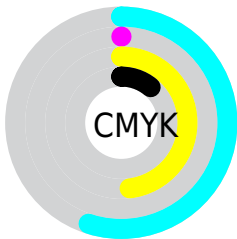
Distribution



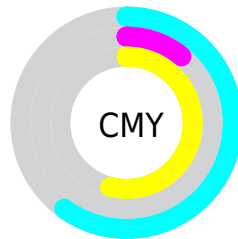
- Red (40%)
- Green (89%)
- Blue (46%)



- Red (40%)
- Yellow (83%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)





- Cyan (60%)
- Magenta (11%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9459, 58.5255, 26.5415 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 35.9459, 58.5255, 26.5415 by changing the saturation by 10% instead.


 35.9459, 58.5255,
26.5415


 35.9459, 58.5255,
26.5415


320.1594,
419.1412, 299.1199


 24.5623, 42.2313,
16.9998


 68.2730, 102.6877,
55.1420


 15.8783, 29.2824,
10.0724


 89.9472, 131.3245,
75.0379

 9.5284, 19.2946,
5.3407


 115.7823,
164.8442, 99.2222

 5.1472, 11.8833,
2.3863

 146.1438,
203.6313, 128.1136

 2.3696, 6.6643,
0.7790

181.3968,
248.0702, 162.1305

 0.8299, 3.2530,
0.0000

221.9069,

 0.0000, 1.2652,

298.5452, 201.6915

0.0000

268.0393,
355.4407, 247.2151

■ 0.0000, 0.1140,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9459, 58.5255,
26.5415

■ 35.9459, 58.5255,
26.5415

■ 32.6751, 56.9624,
20.9070

■ 40.1618, 60.5510,
33.4968

■ 30.2715, 55.8182,
16.5061


■ 45.3840, 63.0638,
41.8451


■ 28.6519, 55.0537,
13.2473


■ 51.6738, 66.0956,
51.6580

■ 27.7142, 54.6185,
11.0244

■ 59.0862, 69.6734,
63.0009

 27.4213, 54.4845,
10.2443

 67.6724, 73.8224,
75.9354

 77.4806, 78.5661,
90.5198

 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



45.2266, 58.5255, 14.5647



35.9459, 58.5255, 26.5415



32.0435, 58.5255, 54.6429

Triad

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



35.9459, 58.5255, 26.5415



52.3581, 58.5255, 182.4080



85.8067, 58.5255, 36.8775

Complementary

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



35.9459, 58.5255, 26.5415



47.7501, 30.3258, 64.3115

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.



88.6239, 58.5255, 73.7600



35.9459, 58.5255, 26.5415



67.5102, 58.5255, 170.6191

Square

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



35.9459, 58.5255, 26.5415



40.3793, 58.5255, 152.8584



81.4312, 58.5255, 125.4186



74.2976, 58.5255, 18.4346

Rectangle

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



35.9459, 58.5255, 26.5415



32.4255, 58.5255, 84.0460



81.4312, 58.5255, 125.4186



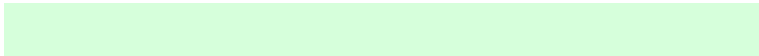
87.8762, 58.5255, 46.9747

Sweetspot

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



35.9474, 58.5279, 26.5428



76.3974, 90.9852, 80.8744



56.6140, 69.2827, 22.9598



15.9017, 19.2570, 16.6241



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.



35.9474, 58.5279, 26.5428



42.3916, 74.6234, 26.4736



40.7603, 60.4531, 51.8876



13.6004, 15.3659, 14.9310



15.6672, 31.0917, 5.9707



1.1097, 2.1646, 0.5389

Inverse Universe

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



47.7501, 30.3258, 64.3115



59.3724, 33.9273, 80.7221



41.5846, 27.8596, 31.8443



14.2149, 13.9036, 16.9019



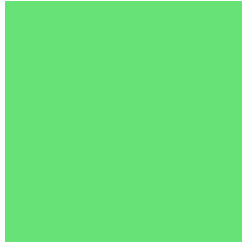
23.6633, 11.5323, 31.2222



1.6617, 0.8080, 2.2775

Previews

White Background



This preview shows how the XYZ color 35.9459, 58.5255, 26.5415 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 35.9459, 58.5255, 26.5415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

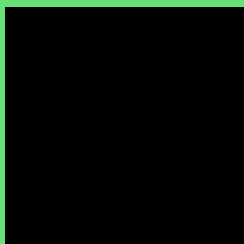
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9459, 58.5255, 26.5415

Background



This preview shows how black text looks on a background with the XYZ color 35.9459, 58.5255, 26.5415.



This preview shows how white text looks on a background with the XYZ color 35.9459, 58.5255,

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

35.9459, 58.5255, 26.5415

Protanopia

52.9298, 57.6283, 22.8017

Deuteranopia

58.7372, 57.4947, 28.0805



Tritanopia

47.2713, 58.0251, 84.3098

Trichromacy



Original Color

35.9459, 58.5255, 26.5415



Protanomaly

43.8566, 56.1179, 23.8496



Deuteranomaly

46.4662, 55.5881, 27.3493



Tritanomaly

41.9734, 57.7825, 57.6561

Monochromacy



Original Color

35.9459, 58.5255, 26.5415



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.0935, 47.9145, 38.6932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9459, 58.5255, 26.5415 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(102, 226, 118)` looks like.

```
.text, #text, p{  
    color:rgb(102, 226, 118)  
}
```

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(102, 226, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 226, 118) }
```

Border

The CSS property to change the border of an element to XYZ 35.9459, 58.5255, 26.5415 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(102, 226, 118) }
```


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

```
.border{ border-color:rgb(102, 226, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 226, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 226, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 226, 118);  
box-shadow:4px 4px 4px 4px rgb(102, 226,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9459, 58.5255, 26.5415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 226, 118) }
```

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

```
.background{ background-color: rgb(102,  
226, 118) }
```

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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