

Converting Colors

XYZ(36.8065, 58.9364, 28.1453)

Have a look what the booklet for
XYZ(36.8065, 58.9364, 28.1453)
contains.

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Color

**XYZ(36.8349, 58.9486,
28.1757)**

Conversions

Conversions Part 1

Format	Color
Hex	6BE27B
RGB	107, 226, 123
RGB Percent	42%, 89%, 48%
CMY	0.5804, 0.1137, 0.5176
CMYK	0.53, 0.00, 0.46, 0.11
HSL	128°, 67%, 65%
HSV	128°, 53%, 89%
XYZ	36.8349, 58.9486, 28.1757
YIQ	178.6770, -37.8610, -57.2610

Conversions

Conversions Part 2

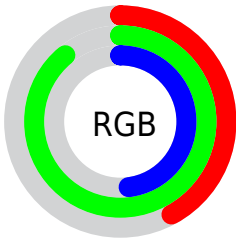
Format	Color
RYB	107, 212, 226
Decimal	7070331
CIELab	81.26, -54.70, 40.25
CIElCh	81, 67.911, 143.655
Yxy	58.9486, 0.2972, 0.4755
Android (android.graphics.Color)	4285260411 (0xFF6BE27B)
YUV	178.6770, -27.4488, -62.8607
Hunter-Lab	76.7780, -48.7246, 31.9866

Details

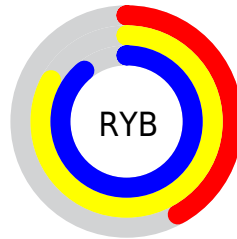
The XYZ color **36.8349, 58.9486, 28.1757** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **48.2563, 31.3383, 64.4798**, and the grayscale version is **42.8329, 45.0635, 49.0742**.

A 20% lighter version of the original color is **59.4217, 82.8013, 54.4454**, and **16.4589, 29.6887, 10.9939** is the 20% darker color. If you saturate the color by 10%, you get **33.3600, 57.2866, 22.2476**, and if you desaturate by 10%, it is **41.2674, 61.0794, 35.4284**.

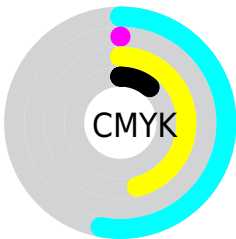
Distribution



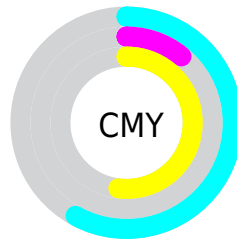
- Red (42%)
- Green (89%)
- Blue (48%)



- Red (42%)
- Yellow (83%)
- Blue (89%)



- Cyan (53%)
- Magenta (0%)
- Yellow (46%)
- Black (11%)





- Cyan (58%)
- Magenta (11%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8349, 58.9486, 28.1757 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 36.8349, 58.9486, 28.1757 by changing the saturation by 10% instead.


 36.8349, 58.9486,
28.1757


 36.8349, 58.9486,
28.1757


323.9631,
420.7114, 307.2438


 25.2528, 42.5717,
18.2180


 69.6343, 103.3030,
57.7913

 16.3952, 29.5492,
10.9355


 91.5822, 132.0492,
78.2862

 9.8969, 19.4967,
5.9099

 117.7162,
165.6875, 103.1307

 5.3924, 12.0297,
2.7224

148.4015,
204.6020, 132.7431

 2.5164, 6.7639,
0.9547

184.0034,
249.1773, 167.5421

 0.9035, 3.3149,
0.0000

224.8875,

 0.0000, 1.2983,

299.7977, 207.9462

0.0000

271.4189,
356.8476, 254.3739

■ 0.0000, 0.1399,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8349, 58.9486,
28.1757

■ 36.8349, 58.9486,
28.1757

■ 33.3600, 57.2866,
22.2476

■ 41.2674, 61.0794,
35.4284

■ 30.7672, 56.0510,
17.5602


■ 46.7170, 63.7031,
44.0747


■ 28.9763, 55.2041,
14.0264


■ 53.2435, 66.8506,
54.1839

■ 27.8906, 54.6982,
11.5460

■ 60.9010, 70.5486,
65.8192

 27.4369, 54.4908,
10.3263

 69.7395, 74.8215,
79.0403

 79.8064, 79.6927,
93.9037

 86.4875, 82.8751,
106.0458

Harmonies

Analogous

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



45.7989, 58.9486, 15.9776



36.8349, 58.9486, 28.1757



33.0908, 58.9486, 55.9474

Triad

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



36.8349, 58.9486, 28.1757



53.0734, 58.9486, 177.0630



84.8523, 58.9486, 37.7061

Complementary

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



36.8349, 58.9486, 28.1757



48.2563, 31.3383, 64.4798

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.



87.6802, 58.9486, 73.1939



36.8349, 58.9486, 28.1757



67.6789, 58.9486, 165.3817

Square

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



36.8349, 58.9486, 28.1757



41.3921, 58.9486, 149.7084



80.9457, 58.9486, 122.3766



73.7638, 58.9486, 19.6361

Rectangle

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



36.8349, 58.9486, 28.1757



33.5170, 58.9486, 84.4100



80.9457, 58.9486, 122.3766



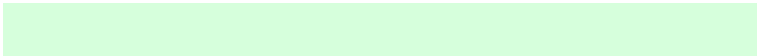
86.8702, 58.9486, 47.4799

Sweetspot

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



36.8364, 58.9511, 28.1770



76.4267, 90.9969, 81.0285



56.4688, 69.1784, 24.2867



15.9085, 19.2598, 16.6603



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.



36.8364, 58.9511, 28.1770



43.5617, 75.1781, 28.7232



41.7428, 60.9136, 54.0140



13.6034, 15.3671, 14.9470



15.6769, 31.0956, 6.0215



1.1111, 2.1652, 0.5464

Inverse Universe

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



48.2563, 31.3383, 64.4798



60.0388, 35.2338, 81.0257



42.1795, 28.9076, 32.4798



14.2116, 13.9023, 16.8843



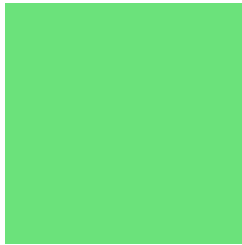
23.5845, 11.5008, 30.8076



1.6570, 0.8061, 2.2527

Previews

White Background



This preview shows how the XYZ color 36.8349, 58.9486, 28.1757 looks on a white background.

Color Contrast Check

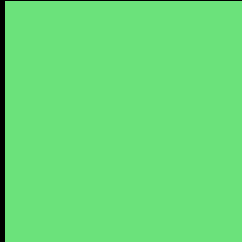
Large Text (above 18pt) WCAG AA × Fail

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 36.8349, 58.9486, 28.1757 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

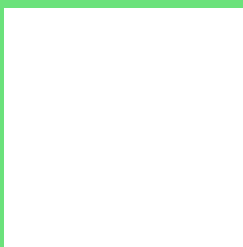
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8349, 58.9486, 28.1757

Background



This preview shows how black text looks on a background with the XYZ color 36.8349, 58.9486, 28.1757.

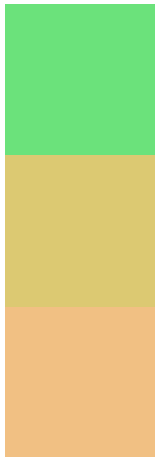


This preview shows how white text looks on a background with the XYZ color 36.8349, 58.9486,

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

36.8349, 58.9486, 28.1757

Protanopia

53.4391, 58.2038, 24.3375

Deuteranopia

59.2220, 58.0387, 29.5540



Tritanopia

47.9861, 58.7682, 84.4156

Trichromacy



Original Color

36.8349, 58.9486, 28.1757



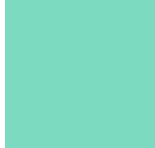
Protanomaly

44.8479, 56.9612, 25.4605



Deuteranomaly

47.2274, 55.9507, 28.7325



Tritanomaly

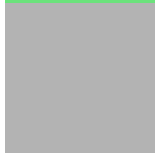
42.7542, 58.1595, 58.8417

Monochromacy



Original Color

36.8349, 58.9486, 28.1757



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.1348, 48.7554, 40.1490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8349, 58.9486, 28.1757 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(107, 226, 123)` looks like.

```
.text, #text, p{  
    color:rgb(107, 226, 123)  
}
```

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(107, 226, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 226, 123) }
```

Border

The CSS property to change the border of an element to XYZ 36.8349, 58.9486, 28.1757 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(107, 226, 123) }
```


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

```
.border{ border-color:rgb(107, 226, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 226, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 226, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 226, 123);  
box-shadow:4px 4px 4px 4px rgb(107, 226,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8349, 58.9486, 28.1757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 226, 123) }
```

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

```
.background{ background-color: rgb(107,  
226, 123) }
```

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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