

Converting Colors

XYZ(36.7078, 58.3261, 16.9128)

Have a look what the booklet for
XYZ(36.7078, 58.3261, 16.9128)
contains.

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Color

**XYZ(36.7078, 58.3261,
16.9128)**

Conversions

Conversions Part 1

Format	Color
Hex	7EE050
RGB	126, 224, 80
RGB Percent	49%, 88%, 31%
CMY	0.5059, 0.1216, 0.6863
CMYK	0.44, 0.00, 0.64, 0.12
HSL	101°, 70%, 60%
HSV	101°, 64%, 88%
XYZ	36.7078, 58.3261, 16.9128
YIQ	178.2820, -12.1840, -65.5600

Conversions

Conversions Part 2

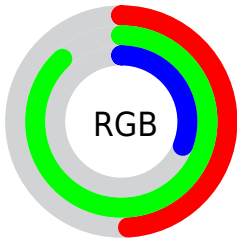
Format	Color
RYB	80, 224, 178
Decimal	8314960
CIELab	80.92, -53.64, 59.59
CIELCh	81, 80.178, 131.990
Yxy	58.3261, 0.3279, 0.5210
Android (android.graphics.Color)	4286505040 (0xFF7EE050)
YUV	178.2820, -48.4530, -45.8513
Hunter-Lab	76.3715, -47.8546, 40.3300

Details

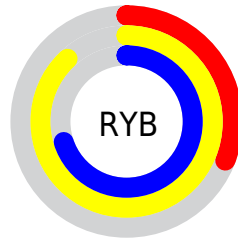
The XYZ color **36.7078, 58.3261, 16.9128** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **34.6863, 20.5861, 72.6695**, and the grayscale version is **42.7211, 44.9459, 48.9461**.

A 20% lighter version of the original color is **59.9003, 83.4596, 35.8739**, and **16.3506, 29.2040, 5.3055** is the 20% darker color. If you saturate the color by 10%, you get **33.9352, 56.9788, 13.1598**, and if you desaturate by 10%, it is **40.1016, 59.9654, 22.1369**.

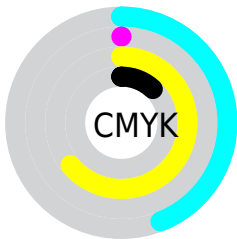
Distribution



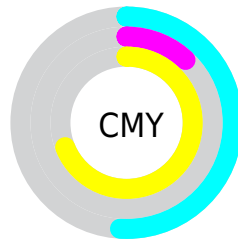
- Red (49%)
- Green (88%)
- Blue (31%)



- Red (31%)
- Yellow (88%)
- Blue (70%)



- Cyan (44%)
- Magenta (0%)
- Yellow (64%)
- Black (12%)





- Cyan (51%)
- Magenta (12%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7078, 58.3261, 16.9128 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 36.7078, 58.3261, 16.9128 by changing the saturation by 10% instead.


 36.7078, 58.3261,
16.9128


 36.7078, 58.3261,
16.9128


323.4213,
418.4000, 246.6963

 25.1540, 42.0709,
10.0110


 69.4399, 102.3976,
38.9644

 16.3211, 29.1568,
5.3006


 91.3489, 130.9826,
54.9513


 9.8440, 19.1995,
2.3629


 117.4403,
164.4464, 74.8036

 5.3571, 11.8145,
0.7661

 148.0795,
203.1733, 98.9400

 2.4952, 6.6175,
0.0000

 183.6318,
247.5477, 127.7789

 0.8928, 3.2241,
0.0000

224.4627,

 0.0000, 1.2498,

297.9540, 161.7389

0.0000

270.9374,
354.7766, 201.2385

■ 0.0000, 0.1018,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7078, 58.3261,
16.9128

■ 36.7078, 58.3261,
16.9128

■ 33.9352, 56.9788,
13.1598

■ 40.1016, 59.9654,
22.1369

■ 31.7356, 55.8965,
10.7225


■ 44.1516, 61.9064,
28.9591


■ 30.0588, 55.0592,
9.4174


■ 48.8950, 64.1676,
37.4971


■ 29.2959, 54.6742,
9.0091

■ 54.3644, 66.7636,
47.8567

 60.5907, 69.7081,
60.1347

 67.6026, 73.0139,
74.4215

 75.4272, 76.6932,
90.8014

 83.4054, 80.4835,
105.7467

 85.9469, 81.7937,
105.8656

Harmonies

Analogous

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



49.0673, 58.3261, 9.4900



36.7078, 58.3261, 16.9128



30.2854, 58.3261, 39.2288

Triad

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



36.7078, 58.3261, 16.9128



46.1423, 58.3261, 196.1438



92.8885, 58.3261, 46.3471

Complementary

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



36.7078, 58.3261, 16.9128



34.6863, 20.5861, 72.6695

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.



91.6698, 58.3261, 96.1716



36.7078, 58.3261, 16.9128



62.3359, 58.3261, 201.4613

Square

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



36.7078, 58.3261, 16.9128



34.9362, 58.3261, 146.3938



79.6501, 58.3261, 158.5632



82.7068, 58.3261, 19.8815

Rectangle

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



36.7078, 58.3261, 16.9128



29.2648, 58.3261, 66.7343



79.6501, 58.3261, 158.5632



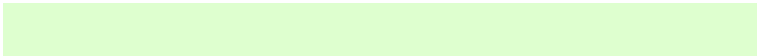
93.8469, 58.3261, 60.3858

Sweetspot

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



36.7092, 58.3286, 16.9141



77.0996, 91.5366, 72.3482



47.7162, 47.4797, 14.2399



15.9957, 19.3529, 14.4911



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.



36.7092, 58.3286, 16.9141



44.4770, 75.9236, 16.4008



32.4644, 56.0190, 22.1996



13.9388, 15.5486, 14.5733



17.1577, 31.8776, 5.2487



1.2803, 2.2565, 0.3681

Inverse Universe

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



34.6863, 20.5861, 72.6695



41.4061, 21.5556, 96.5860



44.0367, 25.7564, 57.2968



13.8471, 13.7047, 17.3031



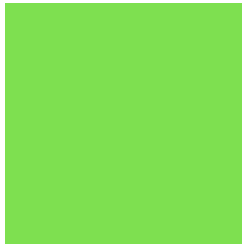
15.5425, 7.1078, 41.6011



1.1692, 0.5400, 2.8879

Previews

White Background



This preview shows how the XYZ color 36.7078, 58.3261, 16.9128 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 36.7078, 58.3261, 16.9128 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 36.7078, 58.3261, 16.9128

Background



This preview shows how black text looks on a background with the XYZ color 36.7078, 58.3261, 16.9128.



This preview shows how white text looks on a background with the XYZ color 36.7078, 58.3261,

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

36.7078, 58.3261, 16.9128

Protanopia

52.2883, 57.4776, 14.6417

Deuteranopia

58.6596, 57.3564, 17.8767



Tritanopia

49.5366, 58.1635, 80.5673

Trichromacy



Original Color

36.7078, 58.3261, 16.9128



Protanomaly

44.8440, 56.8141, 15.4402



Deuteranomaly

47.4694, 55.6257, 17.2518



Tritanomaly

42.9986, 57.3688, 48.3422

Monochromacy



Original Color

36.7078, 58.3261, 16.9128



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.6957, 48.3541, 32.8850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7078, 58.3261, 16.9128 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(126, 224, 80)` looks like.

```
.text, #text, p{  
    color:rgb(126, 224, 80)  
}
```

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(126, 224, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 224, 80) }
```

Border

The CSS property to change the border of an element to XYZ 36.7078, 58.3261, 16.9128 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(126, 224, 80) }
```


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

```
.border{ border-color:rgb(126, 224, 80) }
```

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

Here you see how a box with a 4 pixel rgb(126, 224, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 224, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 224, 80);  
box-shadow:4px 4px 4px 4px rgb(126, 224,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7078, 58.3261, 16.9128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 224, 80) }
```

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

```
.background{ background-color: rgb(126,  
224, 80) }
```

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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