

Converting Colors

XYZ(36.7854, 59.7069, 29.7656)

Have a look what the booklet for
XYZ(36.7854, 59.7069, 29.7656)
contains.

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Color

**XYZ(36.7198, 59.6718,
29.6611)**

Conversions

Conversions Part 1

Format	Color
Hex	63E47F
RGB	99, 228, 127
RGB Percent	39%, 89%, 50%
CMY	0.6118, 0.1059, 0.5020
CMYK	0.57, 0.00, 0.44, 0.11
HSL	133°, 70%, 64%
HSV	133°, 57%, 89%
XYZ	36.7198, 59.6718, 29.6611
YIQ	177.9150, -44.4630, -58.7590

Conversions

Conversions Part 2

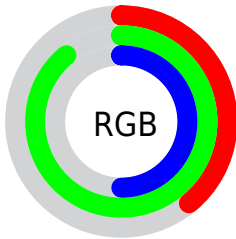
Format	Color
RYB	99, 205, 228
Decimal	6546559
CIELab	81.66, -56.79, 38.73
CIElCh	82, 68.736, 145.706
Yxy	59.6718, 0.2913, 0.4734
Android (android.graphics.Color)	4284736639 (0xFF63E47F)
YUV	177.9150, -25.1011, -69.2085
Hunter-Lab	77.2475, -50.3328, 31.3074

Details

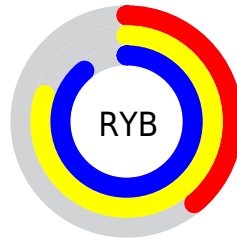
The XYZ color **36.7198, 59.6718, 29.6611** is a light color, and the websafe version is hex **33CC66**. A complement of this color would be **46.8840, 29.5890, 57.8859**, and the grayscale version is **42.4187, 44.6278, 48.5996**.

A 20% lighter version of the original color is **58.3986, 82.2271, 56.5096**, and **16.2441, 29.8418, 11.7414** is the 20% darker color. If you saturate the color by 10%, you get **33.5096, 58.1413, 23.9670**, and if you desaturate by 10%, it is **40.8422, 61.6521, 36.4766**.

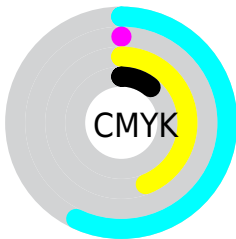
Distribution



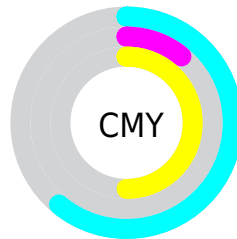
- Red (39%)
- Green (89%)
- Blue (50%)



- Red (39%)
- Yellow (80%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)





- Cyan (61%)
- Magenta (11%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7198, 59.6718, 29.6611 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 36.7198, 59.6718, 29.6611 by changing the saturation by 10% instead.


 36.7198, 59.6718,
29.6611


 36.7198, 59.6718,
29.6611


323.4725,
423.3870, 314.4795


 25.1633, 43.1542,
19.3316


 69.4583, 104.3534,
60.1805


 16.3281, 30.0061,
11.7309


 91.3709, 133.2862,
81.2075

 9.8490, 19.8432,
6.4404


 117.4664,
167.1261, 106.6374

 5.3604, 12.2811,
3.0416

 148.1099,
206.2576, 136.8887

 2.4972, 6.9354,
1.1159

183.6669,
251.0650, 172.3801

 0.8938, 3.4218,
0.0000

224.5028,

 0.0000, 1.3557,

301.9328, 213.5300

0.0000

270.9829,
359.2453, 260.7569

■ 0.0000, 0.1837,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7198, 59.6718,
29.6611

■ 36.7198, 59.6718,
29.6611

■ 33.5096, 58.1413,
23.9670

■ 40.8422, 61.6521,
36.4766

■ 31.1352, 57.0175,
19.3299


■ 45.9362, 64.1066,
44.4649


■ 29.5152, 56.2613,
15.6854


■ 52.0613, 67.0666,
53.6793


■ 28.5462, 55.8211,
12.9599


■ 59.2709, 70.5586,
64.1687

 28.3093, 55.7150,
12.2222

 67.6146, 74.6072,
75.9790

 77.1390, 79.2355,
89.1541

 86.5494, 83.7751,
103.6731

 87.0346, 83.9691,
106.2282

Harmonies

Analogous

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



45.4983, 59.6718, 16.4152



36.7198, 59.6718, 29.6611



33.2771, 59.6718, 59.1954

Triad

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



36.7198, 59.6718, 29.6611



54.6615, 59.6718, 181.0030



85.6140, 59.6718, 36.2089

Complementary

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



36.7198, 59.6718, 29.6611



46.8840, 29.5890, 57.8859

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.



89.1782, 59.6718, 71.1136



36.7198, 59.6718, 29.6611



69.6414, 59.6718, 166.2720

Square

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



36.7198, 59.6718, 29.6611



42.4581, 59.6718, 155.3735



82.9058, 59.6718, 120.9075



73.8549, 59.6718, 18.9129

Rectangle

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



36.7198, 59.6718, 29.6611



33.9540, 59.6718, 88.9808



82.9058, 59.6718, 120.9075



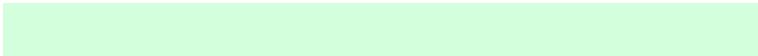
87.8871, 59.6718, 45.7249

Sweetspot

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



36.7213, 59.6743, 29.6624



75.8696, 90.6887, 81.9540



53.8306, 68.6768, 22.2236



15.8157, 19.2058, 16.9315



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.



36.7213, 59.6743, 29.6624



42.5491, 74.6336, 29.6908



42.3443, 61.9235, 59.2730



14.3167, 16.1401, 15.9327



16.3821, 32.1849, 7.2462



1.2446, 2.3920, 0.7148

Inverse Universe

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



46.8840, 29.5890, 57.8859



56.7988, 32.2631, 69.1268



40.8705, 27.1836, 26.2190



14.8541, 14.5588, 17.4323



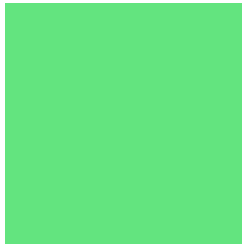
23.1906, 11.4105, 25.6967



1.7471, 0.8565, 2.0745

Previews

White Background



This preview shows how the XYZ color 36.7198, 59.6718, 29.6611 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 36.7198, 59.6718, 29.6611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

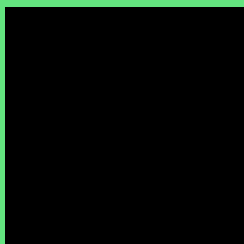
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7198, 59.6718, 29.6611

Background



This preview shows how black text looks on a background with the XYZ color 36.7198, 59.6718, 29.6611.

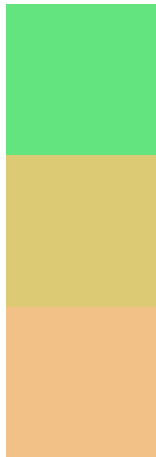


This preview shows how white text looks on a background with the XYZ color 36.7198, 59.6718,

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

36.7198, 59.6718, 29.6611

Protanopia

54.1502, 58.8976, 25.3440

Deuteranopia

59.7188, 58.5900, 31.0831



Tritanopia

47.8680, 59.4305, 86.0391

Trichromacy



Original Color

36.7198, 59.6718, 29.6611



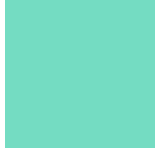
Protanomaly

44.8769, 57.3161, 26.7870



Deuteranomaly

47.2224, 56.6274, 30.2711



Tritanomaly

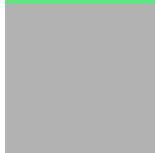
42.5333, 58.7944, 60.1457

Monochromacy



Original Color

36.7198, 59.6718, 29.6611



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.3924, 48.3726, 40.1142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7198, 59.6718, 29.6611 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(99, 228, 127)` looks like.

```
.text, #text, p{  
    color:rgb(99, 228, 127)  
}
```

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(99, 228, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 228, 127) }
```

Border

The CSS property to change the border of an element to XYZ 36.7198, 59.6718, 29.6611 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(99, 228, 127) }
```


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

```
.border{ border-color:rgb(99, 228, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 228, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 228, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 228, 127);  
box-shadow:4px 4px 4px 4px rgb(99, 228,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7198, 59.6718, 29.6611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 228, 127) }
```

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

```
.background{ background-color: rgb(99, 228,  
127) }
```

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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