

Converting Colors

XYZ(35.6819, 61.7707, 30.0278)

Have a look what the booklet for
XYZ(35.6819, 61.7707, 30.0278)
contains.

XYZ(35.6375, 61.6069, 30.0917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.6375, 61.6069,
30.0917)**

Conversions

Conversions Part 1

Format	Color
Hex	44EA7F
RGB	68, 234, 127
RGB Percent	27%, 92%, 50%
CMY	0.7333, 0.0823, 0.5019
CMYK	0.71, 0.00, 0.46, 0.08
HSL	141°, 80%, 59%
HSV	141°, 71%, 92%
XYZ	35.6375, 61.6069, 30.0917
YIQ	172.1680, -64.5890, -68.4690

Conversions

Conversions Part 2

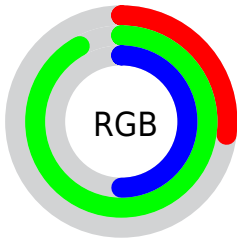
Format	Color
RYB	68, 190, 234
Decimal	4516479
CIELab	82.70, -64.90, 39.90
CIELCh	83, 76.189, 148.415
Yxy	61.6069, 0.2799, 0.4838
Android (android.graphics.Color)	4282706559 (0xFF44EA7F)
YUV	172.1680, -22.2678, -91.3553
Hunter-Lab	78.4901, -56.3118, 32.2123

Details

The XYZ color **35.6375, 61.6069, 30.0917** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **43.7386, 24.7230, 43.0263**, and the grayscale version is **39.4319, 41.4854, 45.1776**.

A 20% lighter version of the original color is **54.2538, 80.0904, 56.3156**, and **17.0266, 31.9661, 12.1102** is the 20% darker color. If you saturate the color by 10%, you get **33.4089, 60.5650, 25.2351**, and if you desaturate by 10%, it is **38.6672, 63.0483, 35.7568**.

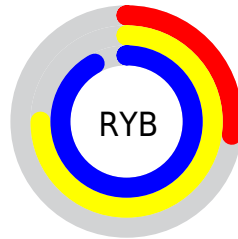
Distribution



Red (27%)

Green (92%)

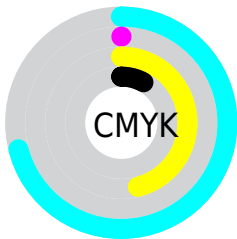
Blue (50%)



Red (27%)

Yellow (75%)

Blue (92%)

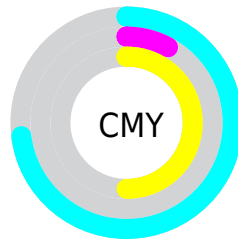


Cyan (71%)

Magenta (0%)

Yellow (46%)

Black (8%)



Cyan (73%)


Magenta (8%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6375, 61.6069, 30.0917 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 35.6375, 61.6069, 30.0917 by changing the saturation by 10% instead.


 35.6375, 61.6069,
30.0917


 35.6375, 61.6069,
30.0917


318.8323,
430.4957, 316.5523


 24.3232, 44.7151,
19.6556


 67.7997, 107.1572,
60.8699


 15.6996, 31.2331,
11.9633


 89.3783, 136.5845,
82.0490

 9.4013, 20.7764,
6.5965


 115.1091,
170.9591, 107.6462

 5.0630, 12.9607,
3.1365

 145.3573,
210.6655, 138.0800

 2.3194, 7.4015,
1.1647

180.4884,
256.0879, 173.7690

 0.8046, 3.7144,
0.0000

220.8677,

 0.0000, 1.5151,

307.6108, 215.1317

0.0000

266.8605,
365.6186, 262.5866

■ 0.0000, 0.2993,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.6375, 61.6069,
30.0917

■ 35.6375, 61.6069,
30.0917

■ 33.4089, 60.5650,
25.2351

■ 38.6672, 63.0483,
35.7568


■ 31.8876, 59.8696,
21.1446


■ 42.5688, 64.9197,
42.2615


■ 30.9919, 59.4751,
18.0644


■ 47.4098, 67.2570,
49.6405


■ 53.2498, 70.0903,
57.9252

 60.1433, 73.4471,
67.1451

 68.1406, 77.3527,
77.3288

 77.2887, 81.8309,
88.5033

 87.5562, 86.8649,
100.6911

 88.7140, 87.3280,
106.7880

Harmonies

Analogous

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



44.8253, 61.6069, 14.9458



35.6375, 61.6069, 30.0917



32.4026, 61.6069, 64.6184

Triad

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



35.6375, 61.6069, 30.0917



57.6898, 61.6069, 203.4559



90.8105, 61.6069, 32.6924

Complementary

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



35.6375, 61.6069, 30.0917



43.7386, 24.7230, 43.0263

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.



95.9669, 61.6069, 69.6022



35.6375, 61.6069, 30.0917



74.8371, 61.6069, 181.6164

Square

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



35.6375, 61.6069, 30.0917



43.5760, 61.6069, 176.8188



89.6498, 61.6069, 126.1971



76.6259, 61.6069, 15.8804

Rectangle

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



35.6375, 61.6069, 30.0917



33.4922, 61.6069, 99.7551



89.6498, 61.6069, 126.1971



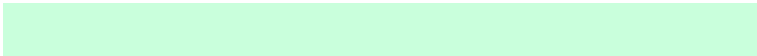
93.7615, 61.6069, 42.4541

Sweetspot

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



35.6390, 61.6094, 30.0931



72.9509, 89.1929, 81.4168



48.3502, 68.4843, 16.1398



15.0900, 18.8353, 16.7375



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.



35.6390, 61.6094, 30.0931



39.6796, 73.1813, 28.3405



43.3296, 64.6856, 70.5910



15.0895, 16.9506, 17.1540



17.4694, 33.4422, 10.4369



1.4161, 2.6438, 1.0532

Inverse Universe

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



43.7386, 24.7230, 43.0263



49.9733, 25.8751, 44.4605



37.9718, 22.4163, 12.6589



15.4743, 15.2176, 17.7832



22.2611, 11.1071, 17.7083



1.7935, 0.8904, 1.6301

Previews

White Background



This preview shows how the XYZ color 35.6375, 61.6069, 30.0917 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 35.6375, 61.6069, 30.0917 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 35.6375, 61.6069, 30.0917

Background



This preview shows how black text looks on a background with the XYZ color 35.6375, 61.6069, 30.0917.



This preview shows how white text looks on a background with the XYZ color 35.6375, 61.6069,

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

35.6375, 61.6069, 30.0917

Protanopia

55.4857, 60.2940, 25.2365

Deuteranopia

61.2673, 60.0409, 31.6525



Tritanopia

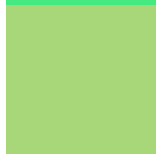
47.6208, 61.1330, 90.9513

Trichromacy



Original Color

35.6375, 61.6069, 30.0917



Protanomaly

43.6270, 58.1724, 26.6983



Deuteranomaly

45.8565, 56.9977, 30.7751



Tritanomaly

41.9036, 60.7971, 62.9525

Monochromacy



Original Color

35.6375, 61.6069, 30.0917



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.3474, 46.4988, 38.5647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6375, 61.6069, 30.0917 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(68, 234, 127)` looks like.

```
.text, #text, p{  
    color:rgb(68, 234, 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(68, 234, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 234, 127) }
```

Border

The CSS property to change the border of an element to XYZ 35.6375, 61.6069, 30.0917 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(68, 234, 127) }
```


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

```
.border{ border-color:rgb(68, 234, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 234, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 234, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 234, 127);  
box-shadow:4px 4px 4px 4px rgb(68, 234,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6375, 61.6069, 30.0917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 234, 127) }
```

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

```
.background{ background-color: rgb(68, 234,  
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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