

Converting Colors

XYZ(35.2267, 61.8129, 30.3975)

Have a look what the booklet for
XYZ(35.2267, 61.8129, 30.3975)
contains.

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Color

**XYZ(35.2355, 61.8159,
30.4966)**

Conversions

Conversions Part 1

Format	Color
Hex	38EB80
RGB	56, 235, 128
RGB Percent	22%, 92%, 50%
CMY	0.7804, 0.0784, 0.4980
CMYK	0.76, 0.00, 0.46, 0.08
HSL	144°, 82%, 57%
HSV	144°, 76%, 92%
XYZ	35.2355, 61.8159, 30.4966
YIQ	169.2810, -72.3370, -71.2250

Conversions

Conversions Part 2

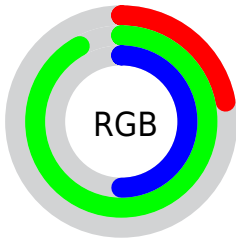
Format	Color
RYB	56, 184, 235
Decimal	3730304
CIELab	82.82, -66.74, 39.52
CIELCh	83, 77.565, 149.373
Yxy	61.8159, 0.2763, 0.4846
Android (android.graphics.Color)	4281920384 (0xFF38EB80)
YUV	169.2810, -20.3515, -99.3474
Hunter-Lab	78.6231, -57.5944, 32.0385

Details

The XYZ color **35.2355, 61.8159, 30.4966** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **42.2880, 23.1361, 36.8896**, and the grayscale version is **37.9761, 39.9538, 43.5097**.

A 20% lighter version of the original color is **53.2568, 79.5645, 56.8065**, and **17.2599, 32.3766, 12.3608** is the 20% darker color. If you saturate the color by 10%, you get **33.3556, 60.9480, 25.9123**, and if you desaturate by 10%, it is **37.8623, 63.0575, 35.7869**.

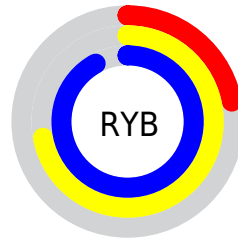
Distribution



Red (22%)

Green (92%)

Blue (50%)



Red (22%)

Yellow (72%)

Blue (92%)

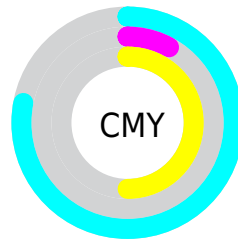


Cyan (76%)

Magenta (0%)

Yellow (46%)

Black (8%)



Cyan (78%)

Magenta (8%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2355, 61.8159, 30.4966 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 35.2355, 61.8159, 30.4966 by changing the saturation by 10% instead.


 35.2355, 61.8159,
30.4966


 35.2355, 61.8159,
30.4966


317.0964,
431.2592, 318.4915


 24.0117, 44.8840,
19.9606


 67.1821, 107.4594,
61.5169


 15.4671, 31.3660,
12.1826


 88.6355, 136.9398,
82.8383

 9.2363, 20.8777,
6.7441


 114.2296,
171.3717, 108.5918

 4.9540, 13.0347,
3.2266

 144.3296,
211.1397, 139.1961

 2.2548, 7.4524,
1.2115

179.3010,
256.6280, 175.0697

 0.7714, 3.7466,
0.0000

219.5090,

 0.0000, 1.5329,

308.2211, 216.6311

0.0000

265.3190,
366.3034, 264.2988

■ 0.0000, 0.3117,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.2355, 61.8159,
30.4966

■ 35.2355, 61.8159,
30.4966

■ 33.3556, 60.9480,
25.9123

■ 37.8623, 63.0575,
35.7869


■ 32.1179, 60.3954,
21.9977


■ 41.3126, 64.7064,
41.8085


■ 31.7535, 60.2366,
20.6669


■ 45.6579, 66.8009,
48.5903


■ 50.9603, 69.3724,
56.1586

 57.2762, 72.4494,
64.5380

 64.6574, 76.0582,
73.7523

 73.1522, 80.2234,
83.8240

 82.8057, 84.9676,
94.7749

 88.9084, 87.8625,
106.4037

Harmonies

Analogous

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



44.3746, 61.8159, 14.7765



35.2355, 61.8159, 30.4966



32.1474, 61.8159, 66.3056

Triad

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



35.2355, 61.8159, 30.4966



58.4034, 61.8159, 207.4265



91.4004, 61.8159, 31.5366

Complementary

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



35.2355, 61.8159, 30.4966



42.2880, 23.1361, 36.8896

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.



97.0503, 61.8159, 68.3185



35.2355, 61.8159, 30.4966



75.9463, 61.8159, 183.4039

Square

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



35.2355, 61.8159, 30.4966



43.8717, 61.8159, 181.4474



90.9293, 61.8159, 125.8419



76.6709, 61.8159, 15.1458

Rectangle

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



35.2355, 61.8159, 30.4966



33.3772, 61.8159, 102.6375



90.9293, 61.8159, 125.8419



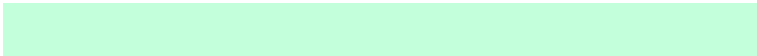
94.5355, 61.8159, 41.1867

Sweetspot

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



35.2371, 61.8184, 30.4980



71.5265, 88.4669, 80.9749



45.6105, 67.5338, 14.3733



14.6576, 18.6172, 16.5001



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.



35.2371, 61.8184, 30.4980



39.2813, 72.9692, 28.6248



43.8785, 65.2750, 76.0033



15.1194, 16.9626, 17.3115



17.7308, 33.5468, 11.8134



1.4387, 2.6528, 1.1722

Inverse Universe

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



42.2880, 23.1361, 36.8896



48.0371, 24.4675, 36.2164



36.9094, 20.9847, 8.5667



15.4435, 15.2052, 17.6206



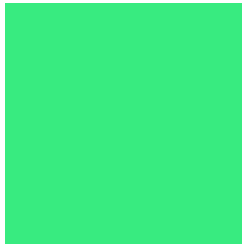
21.7866, 10.9173, 15.2096



1.7581, 0.8762, 1.4437

Previews

White Background



This preview shows how the XYZ color 35.2355, 61.8159, 30.4966 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 35.2355, 61.8159, 30.4966 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 35.2355, 61.8159, 30.4966

Background



This preview shows how black text looks on a background with the XYZ color 35.2355, 61.8159, 30.4966.

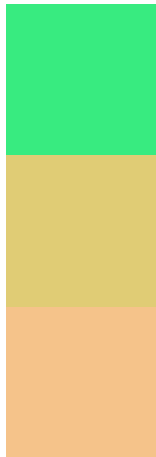


This preview shows how white text looks on a background with the XYZ color 35.2355, 61.8159,

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

35.2355, 61.8159, 30.4966

Protanopia

55.5442, 60.3174, 25.5445

Deuteranopia

61.7587, 60.2777, 32.4245



Tritanopia

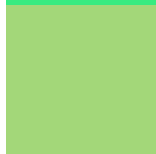
47.3289, 61.3586, 91.7870

Trichromacy



Original Color

35.2355, 61.8159, 30.4966



Protanomaly

42.8559, 57.7679, 26.9807



Deuteranomaly

45.2542, 57.0445, 31.1798



Tritanomaly

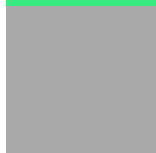
41.5242, 60.9930, 63.6171

Monochromacy



Original Color

35.2355, 61.8159, 30.4966



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.8048, 45.0622, 37.4880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2355, 61.8159, 30.4966 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(56, 235, 128)` looks like.

```
.text, #text, p{  
    color:rgb(56, 235, 128)  
}
```

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(56, 235, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 235, 128) }
```

Border

The CSS property to change the border of an element to XYZ 35.2355, 61.8159, 30.4966 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(56, 235, 128) }
```


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

```
.border{ border-color:rgb(56, 235, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 235, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 235, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 235, 128);  
box-shadow:4px 4px 4px 4px rgb(56, 235,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2355, 61.8159, 30.4966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 235, 128) }
```

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

```
.background{ background-color: rgb(56, 235,  
128) }
```

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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