

Converting Colors

XYZ(36.4561, 62.1629, 35.4528)

Have a look what the booklet for
XYZ(36.4561, 62.1629, 35.4528)
contains.

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Color

**XYZ(36.5659, 62.3965,
35.3158)**

Conversions

Conversions Part 1

Format	Color
Hex	3FEB8D
RGB	63, 235, 141
RGB Percent	25%, 92%, 55%
CMY	0.7529, 0.0784, 0.4470
CMYK	0.73, 0.00, 0.40, 0.08
HSL	147°, 81%, 58%
HSV	147°, 73%, 92%
XYZ	36.5659, 62.3965, 35.3158
YIQ	172.8560, -72.3380, -65.6980

Conversions

Conversions Part 2

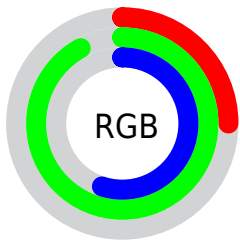
Format	Color
RYB	63, 181, 235
Decimal	4189069
CIELab	83.12, -63.61, 33.49
CIELCh	83, 71.886, 152.234
Yxy	62.3965, 0.2723, 0.4647
Android (android.graphics.Color)	4282379149 (0xFF3FEB8D)
YUV	172.8560, -15.7050, -96.3437
Hunter-Lab	78.9915, -55.6057, 28.7864

Details

The XYZ color **36.5659, 62.3965, 35.3158** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **42.1261, 23.6527, 34.2454**, and the grayscale version is **39.7524, 41.8226, 45.5448**.

A 20% lighter version of the original color is **55.2832, 80.4467, 64.2438**, and **17.7659, 32.5790, 15.0249** is the 20% darker color. If you saturate the color by 10%, you get **34.4721, 61.4229, 30.5160**, and if you desaturate by 10%, it is **39.4137, 63.7494, 40.7322**.

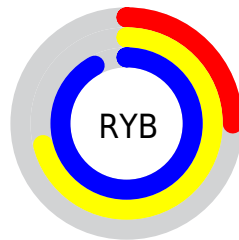
Distribution



Red (25%)

Green (92%)

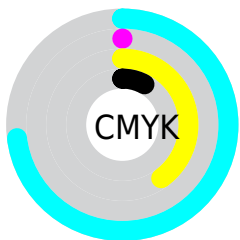
Blue (55%)



Red (25%)

Yellow (71%)

Blue (92%)

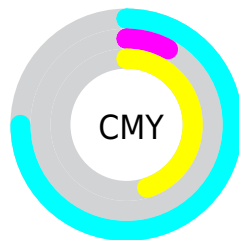


Cyan (73%)

Magenta (0%)

Yellow (40%)

Black (8%)



Cyan (75%)


Magenta (8%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5659, 62.3965, 35.3158 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 36.5659, 62.3965, 35.3158 by changing the saturation by 10% instead.

 36.5659, 62.3965,
35.3158


 36.5659, 62.3965,
35.3158


322.8155,
433.3759, 340.9066


 25.0437, 45.3532,
23.6207


 69.2228, 108.2984,
69.1318


 16.2385, 31.7357,
14.8429


 91.0882, 137.9257,
92.0899

 9.7850, 21.1597,
8.5638


 117.1321,
172.5165, 119.6393

 5.3178, 13.2408,
4.3649

 147.7197,
212.4551, 152.1987

 2.4716, 7.5946,
1.8276

183.2166,
258.1260, 190.1866

 0.8809, 3.8366,
0.4461

223.9879,

 0.0000, 1.5826,

309.9135, 234.0215

0.0000

270.3991,
368.2020, 284.1220

0.0000, 0.3458,
0.0000

0.0000, 0.0000,
0.0000

36.5659, 62.3965,
35.3158

36.5659, 62.3965,
35.3158

34.4721, 61.4229,
30.5160

39.4137, 63.7494,
40.7322


33.0359, 60.7743,
26.3046

43.0867, 65.5128,
46.7831


32.3408, 60.4715,
23.7594


47.6528, 67.7229,
53.4911

53.1712, 70.4100,
60.8760

 59.6956, 73.6014,
68.9568

 67.2759, 77.3224,
77.7516

 75.9584, 81.5965,
87.2781

 85.7865, 86.4458,
97.5529

 88.9995, 87.8990,
106.8832

Harmonies

Analogous

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



44.7295, 62.3965, 18.1633



36.5659, 62.3965, 35.3158



34.1412, 62.3965, 71.3364

Triad

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



36.5659, 62.3965, 35.3158



60.4807, 62.3965, 194.6537



88.4014, 62.3965, 31.7040

Complementary

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



36.5659, 62.3965, 35.3158



42.1261, 23.6527, 34.2454

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.



94.5284, 62.3965, 64.6515



36.5659, 62.3965, 35.3158



76.7482, 62.3965, 169.3172

Square

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



36.5659, 62.3965, 35.3158



46.4252, 62.3965, 175.5353



89.9329, 62.3965, 116.2143



74.3728, 62.3965, 16.8113

Rectangle

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



36.5659, 62.3965, 35.3158



35.6886, 62.3965, 105.8160



89.9329, 62.3965, 116.2143



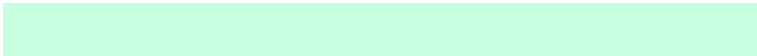
91.5541, 62.3965, 40.3886

Sweetspot

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



36.5675, 62.3990, 35.3172



72.7874, 89.0487, 84.1151



44.6295, 67.0069, 15.2844



15.0872, 18.8188, 17.4136



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.



36.5675, 62.3990, 35.3172



40.5028, 73.4810, 34.0083



45.5426, 65.9891, 82.5793



15.1523, 16.9758, 17.4850



18.0610, 33.6789, 13.5520



1.4662, 2.6638, 1.3166

Inverse Universe

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



42.1261, 23.6527, 34.2454



47.4891, 24.5270, 32.4715



37.1967, 21.6809, 8.2875



15.4099, 15.1918, 17.4437



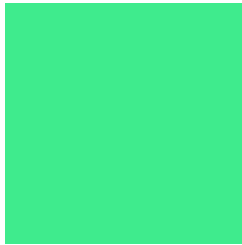
21.3174, 10.7296, 12.7385



1.7224, 0.8619, 1.2553

Previews

White Background



This preview shows how the XYZ color 36.5659, 62.3965, 35.3158 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 36.5659, 62.3965, 35.3158 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

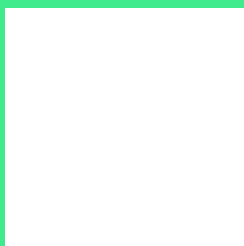
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5659, 62.3965, 35.3158

Background



This preview shows how black text looks on a background with the XYZ color 36.5659, 62.3965, 35.3158.



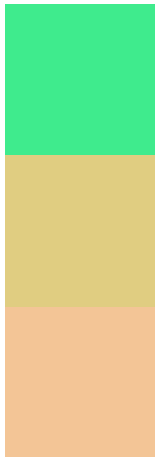
This preview shows how white text looks on a background with the XYZ color 36.5659, 62.3965,

35.3158.

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

36.5659, 62.3965, 35.3158

Protanopia

56.5342, 61.0949, 29.5817

Deuteranopia

62.4334, 61.1892, 37.3743



Tritanopia

47.8584, 62.0098, 92.6658

Trichromacy



Original Color

36.5659, 62.3965, 35.3158



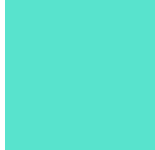
Protanomaly

44.3066, 58.8045, 31.2055



Deuteranomaly

46.9208, 58.1601, 36.3568



Tritanomaly

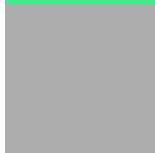
42.5130, 61.4207, 67.3723

Monochromacy



Original Color

36.5659, 62.3965, 35.3158



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.8458, 47.0396, 40.9085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5659, 62.3965, 35.3158 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(63, 235, 141)` looks like.

```
.text, #text, p{  
    color:rgb(63, 235, 141)  
}
```

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(63, 235, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 235, 141) }
```

Border

The CSS property to change the border of an element to XYZ 36.5659, 62.3965, 35.3158 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(63, 235, 141) }
```


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

```
.border{ border-color:rgb(63, 235, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 235, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 235, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 235, 141);  
box-shadow:4px 4px 4px 4px rgb(63, 235,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5659, 62.3965, 35.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 235, 141) }
```

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

```
.background{ background-color: rgb(63, 235,  
141) }
```

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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