

Converting Colors

XYZ(38.2717, 65.3551, 33.4016)

Have a look what the booklet for
XYZ(38.2717, 65.3551, 33.4016)
contains.

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Color

**XYZ(38.3573, 65.5253,
33.5477)**

Conversions

Conversions Part 1

Format	Color
Hex	4AF087
RGB	74, 240, 135
RGB Percent	29%, 94%, 53%
CMY	0.7098, 0.0588, 0.4706
CMYK	0.69, 0.00, 0.44, 0.06
HSL	142°, 85%, 62%
HSV	142°, 69%, 94%
XYZ	38.3573, 65.5253, 33.5477
YIQ	178.3960, -65.2310, -67.8470

Conversions

Conversions Part 2

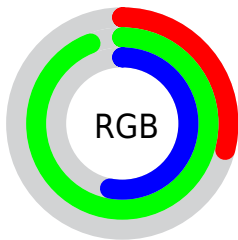
Format	Color
RYB	74, 195, 240
Decimal	4911239
CIELab	84.75, -64.79, 38.63
CIELCh	85, 75.433, 149.194
Yxy	65.5253, 0.2791, 0.4768
Android (android.graphics.Color)	4283101319 (0xFF4AF087)
YUV	178.3960, -21.3942, -91.5553
Hunter-Lab	80.9477, -57.0757, 32.0914

Details

The XYZ color **38.3573, 65.5253, 33.5477** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **46.5226, 26.6787, 45.3474**, and the grayscale version is **42.6629, 44.8847, 48.8794**.

A 20% lighter version of the original color is **55.9298, 80.8568, 60.8032**, and **18.4948, 34.4915, 13.8664** is the 20% darker color. If you saturate the color by 10%, you get **35.8562, 64.3526, 28.2442**, and if you desaturate by 10%, it is **41.7185, 67.1274, 39.6900**.

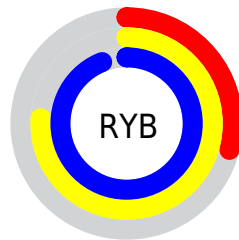
Distribution



Red (29%)

Green (94%)

Blue (53%)



Red (29%)

Yellow (76%)

Blue (94%)

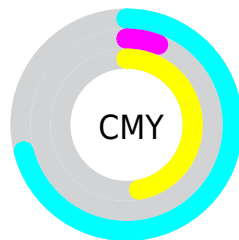


Cyan (69%)

Magenta (0%)

Yellow (44%)

Black (6%)



Cyan (71%)


Magenta (6%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3573, 65.5253, 33.5477 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 38.3573, 65.5253, 33.5477 by changing the saturation by 10% instead.


 38.3573, 65.5253,
33.5477


 38.3573, 65.5253,
33.5477


330.4046,
444.6773, 332.8179


 26.4386, 47.8872,
22.2718


 71.9558, 112.8047,
66.3555


 17.2864, 33.7375,
13.8565


 94.3664, 143.2148,
88.7245

 10.5355, 22.6920,
7.8833


 121.0049,
178.6510, 115.6283

 5.8204, 14.3663,
3.9337

 152.2367,
219.4977, 147.4854

 2.7758, 8.3759,
1.5890

188.4273,
266.1393, 184.7144

 1.0363, 4.3364,
0.2830

229.9419,

 0.0000, 1.8635,

318.9601, 227.7338

0.0000

277.1459,
378.3447, 276.9621

■ 0.0000, 0.5263,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3573, 65.5253,
33.5477

■ 38.3573, 65.5253,
33.5477

■ 35.8562, 64.3526,
28.2442

■ 41.7185, 67.1274,
39.6900

■ 34.1188, 63.5549,
23.7371


■ 46.0127, 69.1904,
46.7017


■ 33.0089, 63.0646,
19.9857


■ 51.3100, 71.7516,
54.6173


■ 32.9308, 63.0305,
19.7052

■ 57.6726, 74.8423,
63.4681

 65.1570, 78.4912,
73.2838

 73.8160, 82.7248,
84.0926

 83.6987, 87.5679,
95.9217

 90.4513, 90.8027,
107.3671

Harmonies

Analogous

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



47.7534, 65.5253, 17.0798



38.3573, 65.5253, 33.5477



35.1395, 65.5253, 70.0470

Triad

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



38.3573, 65.5253, 33.5477



61.8246, 65.5253, 210.4714



95.1233, 65.5253, 34.9352

Complementary

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



38.3573, 65.5253, 33.5477



46.5226, 26.6787, 45.3474

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.



100.6918, 65.5253, 72.6608



38.3573, 65.5253, 33.5477



79.4886, 65.5253, 187.1260

Square

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



38.3573, 65.5253, 33.5477



47.0943, 65.5253, 184.6514



94.5194, 65.5253, 130.3147



80.4222, 65.5253, 17.5887

Rectangle

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



38.3573, 65.5253, 33.5477



36.3836, 65.5253, 106.4732



94.5194, 65.5253, 130.3147



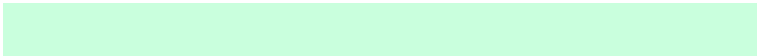
98.2313, 65.5253, 44.9436

Sweetspot

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



38.3590, 65.5280, 33.5492



73.0368, 89.2272, 81.8692



51.0195, 72.4171, 17.7679



15.1103, 18.8434, 16.8441



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.



38.3590, 65.5280, 33.5492



40.2298, 73.4247, 30.1813



46.6235, 68.8338, 77.0699



15.8060, 17.7524, 18.0014



18.0847, 34.5259, 11.0950



1.5508, 2.8908, 1.1671

Inverse Universe

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



46.5226, 26.6787, 45.3474



50.0749, 26.1966, 44.1300



40.5032, 24.2709, 13.6492



16.1935, 15.9271, 18.5753



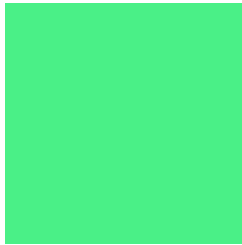
22.8316, 11.4051, 17.5616



1.9471, 0.9679, 1.7123

Previews

White Background



This preview shows how the XYZ color 38.3573, 65.5253, 33.5477 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 38.3573, 65.5253, 33.5477 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 38.3573, 65.5253, 33.5477

Background



This preview shows how black text looks on a background with the XYZ color 38.3573, 65.5253, 33.5477.



This preview shows how white text looks on a background with the XYZ color 38.3573, 65.5253,

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

38.3573, 65.5253, 33.5477

Protanopia

59.3178, 64.3714, 28.3673

Deuteranopia

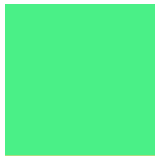
65.3450, 64.1109, 35.3161



Tritanopia

50.7857, 65.0367, 97.0654

Trichromacy



Original Color

38.3573, 65.5253, 33.5477



Protanomaly

46.9863, 62.1557, 29.9429



Deuteranomaly

49.3579, 60.9631, 34.3649



Tritanomaly

45.0342, 64.7661, 68.5201

Monochromacy



Original Color

38.3573, 65.5253, 33.5477



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.2234, 49.9574, 41.8106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3573, 65.5253, 33.5477 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(74, 240, 135)` looks like.

```
.text, #text, p{  
    color:rgb(74, 240, 135)  
}
```

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(74, 240, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 240, 135) }
```

Border

The CSS property to change the border of an element to XYZ 38.3573, 65.5253, 33.5477 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(74, 240, 135) }
```


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

```
.border{ border-color:rgb(74, 240, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 240, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 240, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 240, 135);  
box-shadow:4px 4px 4px 4px rgb(74, 240,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3573, 65.5253, 33.5477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 240, 135) }
```

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

```
.background{ background-color: rgb(74, 240,  
135) }
```

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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