

Converting Colors

XYZ(38.2083, 66.3560, 37.7193)

Have a look what the booklet for
XYZ(38.2083, 66.3560, 37.7193)
contains.

XYZ(38.0819, 66.1770, 37.5544)	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(38.0819, 66.1770,
37.5544)**

Conversions

Conversions Part 1

Format	Color
Hex	30F291
RGB	48, 242, 145
RGB Percent	19%, 95%, 57%
CMY	0.8117, 0.0510, 0.4314
CMYK	0.80, 0.00, 0.40, 0.05
HSL	150°, 88%, 57%
HSV	150°, 80%, 95%
XYZ	38.0819, 66.1770, 37.5544
YIQ	172.9360, -84.4870, -71.2950

Conversions

Conversions Part 2

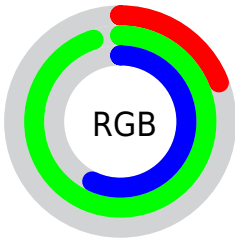
Format	Color
RYB	48, 177, 242
Decimal	3207825
CIELab	85.09, -67.11, 34.03
CIELCh	85, 75.245, 153.113
Yxy	66.1770, 0.2685, 0.4666
Android (android.graphics.Color)	4281397905 (0xFF30F291)
YUV	172.9360, -13.7724, -109.5689
Hunter-Lab	81.3492, -58.8002, 29.5736

Details

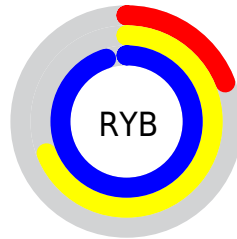
The XYZ color **38.0819, 66.1770, 37.5544** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **42.7879, 23.0369, 28.9822**, and the grayscale version is **39.7885, 41.8606, 45.5862**.

A 20% lighter version of the original color is **54.7895, 80.1258, 67.2217**, and **19.1163, 35.0713, 16.1178** is the 20% darker color. If you saturate the color by 10%, you get **36.3523, 65.3893, 32.8604**, and if you desaturate by 10%, it is **40.5358, 67.3302, 42.8041**.

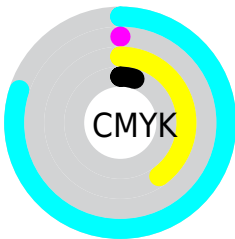
Distribution



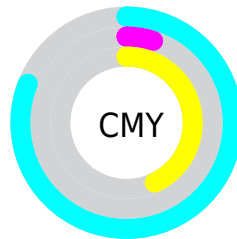
- Red (19%)
- Green (95%)
- Blue (57%)



- Red (19%)
- Yellow (69%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (81%)
- Magenta (5%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0819, 66.1770, 37.5544 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 38.0819, 66.1770, 37.5544 by changing the saturation by 10% instead.


 38.0819, 66.1770,
37.5544


 38.0819, 66.1770,
37.5544


329.2460,
447.0096, 350.9453


 26.2238, 48.4161,
25.3379


 71.5367, 113.7403,
72.6205


 17.1247, 34.1565,
16.1077


 93.8642, 144.3116,
96.3071

 10.4193, 23.0139,
9.4452

 120.4120,
179.9217, 124.6542

 5.7422, 14.6037,
4.9319

 151.5457,
220.9551, 158.0802

 2.7281, 8.5418,
2.1493

187.6306,
267.7962, 197.0039

 1.0117, 4.4435,
0.6449

229.0321,

 0.0000, 1.9246,

320.8294, 241.8435

0.0000

276.1154,
380.4391, 293.0178

■ 0.0000, 0.5631,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0819, 66.1770,
37.5544

■ 38.0819, 66.1770,
37.5544

■ 36.3523, 65.3893,
32.8604

■ 40.5358, 67.3302,
42.8041


■ 35.2045, 64.8872,
28.7580


■ 43.8007, 68.8879,
48.6246


■ 47.9552, 70.8920,
55.0359


■ 53.0673, 73.3773,
62.0553

 59.1977, 76.3748,
69.6995

 66.4020, 79.9129,
77.9843

 74.7318, 84.0178,
86.9249

 84.2351, 88.7140,
96.5359

 90.8678, 91.9165,
106.6402

Harmonies

Analogous

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



46.7240, 66.1770, 18.7461



38.0819, 66.1770, 37.5544



35.6490, 66.1770, 77.2433

Triad

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



38.0819, 66.1770, 37.5544



64.6855, 66.1770, 211.1895



94.3322, 66.1770, 32.1514

Complementary

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



38.0819, 66.1770, 37.5544



42.7879, 23.0369, 28.9822

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.



101.3713, 66.1770, 67.1054



38.0819, 66.1770, 37.5544



82.4334, 66.1770, 181.8995

Square

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



38.0819, 66.1770, 37.5544



49.2834, 66.1770, 191.4584



96.6698, 66.1770, 123.0371



78.8169, 66.1770, 16.7557

Rectangle

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



38.0819, 66.1770, 37.5544



37.4365, 66.1770, 115.2495



96.6698, 66.1770, 123.0371



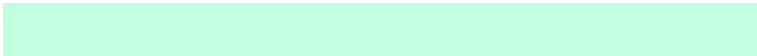
97.8827, 66.1770, 41.2787

Sweetspot

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



38.0836, 66.1797, 37.5559



71.4656, 88.3664, 84.0951



44.5428, 70.0383, 13.9680



14.6828, 18.6127, 17.2902



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.



38.0836, 66.1797, 37.5559



40.0936, 73.2682, 34.0738



48.5187, 70.3537, 92.5064



15.8955, 17.7882, 18.4727



18.9805, 34.8842, 15.8120



1.6292, 2.9221, 1.5799

Inverse Universe

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



42.7879, 23.0369, 28.9822



45.5569, 23.1639, 24.1166



38.2794, 21.2335, 5.2405



16.1024, 15.8907, 18.0957



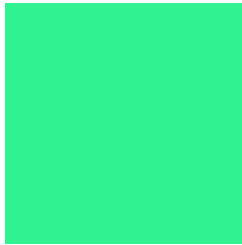
21.5946, 10.9103, 11.0476



1.8467, 0.9277, 1.1835

Previews

White Background



This preview shows how the XYZ color 38.0819, 66.1770, 37.5544 looks on a white background.

Color Contrast Check

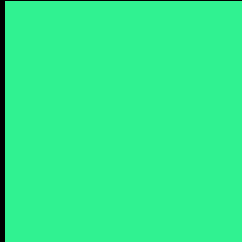
Large Text (above 18pt) WCAG AA × Fail

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 38.0819, 66.1770, 37.5544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

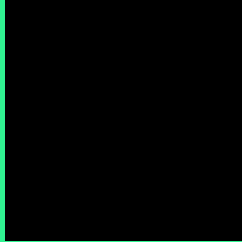
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0819, 66.1770, 37.5544

Background



This preview shows how black text looks on a background with the XYZ color 38.0819, 66.1770, 37.5544.

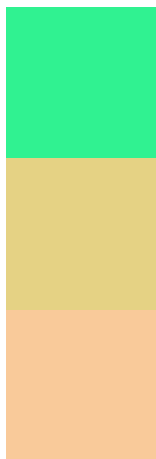


This preview shows how white text looks on a background with the XYZ color 38.0819, 66.1770,

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

38.0819, 66.1770, 37.5544

Protanopia

59.5245, 64.4171, 31.1263

Deuteranopia

66.0202, 64.7139, 39.5832



Tritanopia

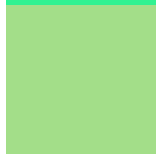
50.2771, 65.9676, 98.8901

Trichromacy



Original Color

38.0819, 66.1770, 37.5544



Protanomaly

45.7409, 61.8352, 33.1915



Deuteranomaly

48.3033, 61.0902, 38.5239



Tritanomaly

44.4890, 65.2543, 71.8785

Monochromacy



Original Color

38.0819, 66.1770, 37.5544



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.7070, 47.6217, 41.9603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0819, 66.1770, 37.5544 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(48, 242, 145)` looks like.

```
.text, #text, p{  
    color:rgb(48, 242, 145)  
}
```

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(48, 242, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 242, 145) }
```

Border

The CSS property to change the border of an element to XYZ 38.0819, 66.1770, 37.5544 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(48, 242, 145) }
```


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

```
.border{ border-color:rgb(48, 242, 145) }
```

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

Here you see how a box with a 4 pixel rgb(48, 242, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 242, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 242, 145);  
box-shadow:4px 4px 4px 4px rgb(48, 242,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0819, 66.1770, 37.5544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 242, 145) }
```

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

```
.background{ background-color: rgb(48, 242,  
145) }
```

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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