

Converting Colors

XYZ(38.8847, 69.0939, 33.4215)

Have a look what the booklet for
XYZ(38.8847, 69.0939, 33.4215)
contains.

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Color

**XYZ(38.8098, 68.8931,
33.4425)**

Conversions

Conversions Part 1

Format	Color
Hex	32F785
RGB	50, 247, 133
RGB Percent	20%, 97%, 52%
CMY	0.8039, 0.0314, 0.4784
CMYK	0.80, 0.00, 0.46, 0.03
HSL	145°, 92%, 58%
HSV	145°, 80%, 97%
XYZ	38.8098, 68.8931, 33.4425
YIQ	175.1010, -80.8180, -77.2180

Conversions

Conversions Part 2

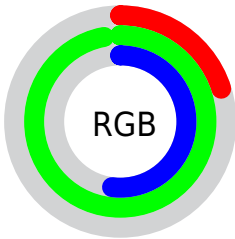
Format	Color
R _{YB}	50, 189, 247
Decimal	3340165
CIE _{Lab}	86.45, -70.66, 41.70
CIE _{LCh}	86, 82.046, 149.453
Yxy	68.8931, 0.2750, 0.4881
Android (android.graphics.Color)	4281530245 (0xFF32F785)
YUV	175.1010, -20.7558, -109.7136
Hunter-Lab	83.0019, -61.7907, 34.2126

Details

The XYZ color **38.8098, 68.8931, 33.4425** 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 **46.2014, 24.7371, 37.4643**, and the grayscale version is **40.9357, 43.0675, 46.9006**.

A 20% lighter version of the original color is **53.7392, 79.7400, 60.1360**, and **19.6828, 36.9893, 13.8868** is the 20% darker color. If you saturate the color by 10%, you get **36.9828, 68.0596, 28.5490**, and if you desaturate by 10%, it is **41.4305, 70.1240, 39.0777**.

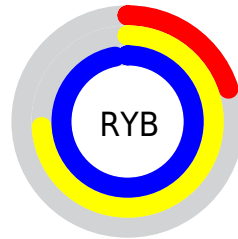
Distribution



Red (20%)

Green (97%)

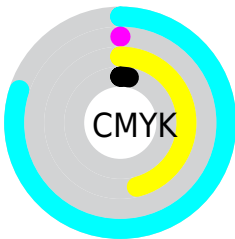
Blue (52%)



Red (20%)

Yellow (74%)

Blue (97%)

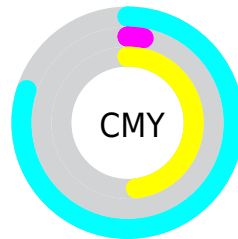


Cyan (80%)

Magenta (0%)

Yellow (46%)

Black (3%)



Cyan (80%)


Magenta (3%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8098, 68.8931, 33.4425 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 38.8098, 68.8931, 33.4425 by changing the saturation by 10% instead.


 38.8098, 68.8931,
33.4425


 38.8098, 68.8931,
33.4425


332.3023,
456.6539, 332.3319


 26.7919, 50.6247,
22.1918


 72.6436, 117.6289,
66.1897


 17.5527, 35.9100,
13.7982

 95.1902, 148.8650,
88.5233

 10.7271, 24.3647,
7.8433


 121.9770,
185.1925, 115.3882

 5.9496, 15.6044,
3.9085

 153.3694,
226.9957, 147.2030

 2.8548, 9.2446,
1.5753

189.7328,
274.6590, 184.3862

 1.0775, 4.9011,
0.2731

231.4325,

 0.0061, 2.1893,

328.5669, 227.3564

0.0000

278.8339,
389.1037, 276.5322

■ 0.0000, 0.7142,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8098, 68.8931,
33.4425

■ 38.8098, 68.8931,
33.4425

■ 36.9828, 68.0596,
28.5490

■ 41.4305, 70.1240,
39.0777


■ 35.7895, 67.5360,
24.3571


■ 44.9373, 71.7938,
45.4811


■ 35.7641, 67.5250,
24.2630


■ 49.4146, 73.9471,
52.6832


■ 54.9349, 76.6210,
60.7114

 61.5637, 79.8486,
69.5916

 69.3608, 83.6602,
79.3487

 78.3815, 88.0840,
90.0063

 88.6777, 93.1462,
101.5872

 92.5521, 95.0041,
108.0674

Harmonies

Analogous

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



49.1242, 68.8931, 15.8449



38.8098, 68.8931, 33.4425



35.3454, 68.8931, 74.0197

Triad

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



38.8098, 68.8931, 33.4425



65.1331, 68.8931, 235.5959



102.6800, 68.8931, 34.4610

Complementary

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



38.8098, 68.8931, 33.4425



46.2014, 24.7371, 37.4643

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.



109.1769, 68.8931, 76.0149



38.8098, 68.8931, 33.4425



85.1165, 68.8931, 207.8044

Square

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



38.8098, 68.8931, 33.4425



48.6277, 68.8931, 205.8429



102.2106, 68.8931, 141.6653



85.8371, 68.8931, 16.2014

Rectangle

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



38.8098, 68.8931, 33.4425



36.7436, 68.8931, 115.4864



102.2106, 68.8931, 141.6653



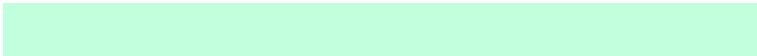
106.2757, 68.8931, 45.3091

Sweetspot

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



38.8115, 68.8959, 33.4441



70.8201, 88.1082, 80.6959



49.3385, 74.7453, 14.8450



14.5287, 18.5511, 16.4788



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.



38.8115, 68.8959, 33.4441



38.8874, 72.7857, 27.7221



48.9433, 72.9486, 86.7972



16.5719, 18.5879, 19.0298



18.9811, 35.7373, 13.1859



1.7184, 3.1610, 1.4230

Inverse Universe

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



46.2014, 24.7371, 37.4643



47.0070, 23.7439, 31.7522



40.4959, 22.4548, 7.4194



16.9012, 16.6433, 19.2264



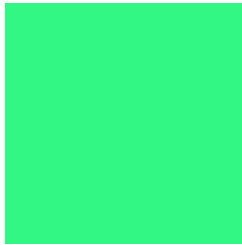
22.9782, 11.5347, 15.1254



2.0708, 1.0343, 1.5993

Previews

White Background



This preview shows how the XYZ color 38.8098, 68.8931, 33.4425 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 38.8098, 68.8931, 33.4425 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

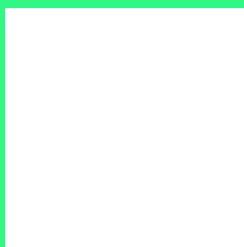
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8098, 68.8931, 33.4425

Background



This preview shows how black text looks on a background with the XYZ color 38.8098, 68.8931, 33.4425.

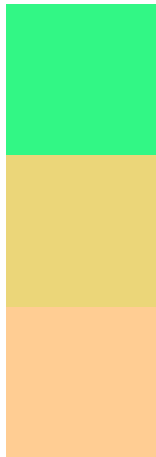


This preview shows how white text looks on a background with the XYZ color 38.8098, 68.8931,

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

38.8098, 68.8931, 33.4425

Protanopia

61.7587, 67.1358, 27.7926

Deuteranopia

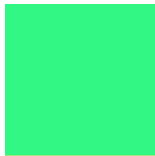
68.3378, 67.0292, 36.9399



Tritanopia

52.3031, 68.1897, 102.5007

Trichromacy



Original Color

38.8098, 68.8931, 33.4425



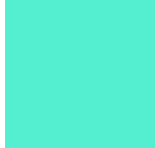
Protanomaly

47.0465, 64.1982, 29.3139



Deuteranomaly

49.2981, 62.8427, 35.1228



Tritanomaly

45.7393, 67.6373, 70.9662

Monochromacy



Original Color

38.8098, 68.8931, 33.4425



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.4377, 49.0572, 40.8062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8098, 68.8931, 33.4425 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(50, 247, 133)` looks like.

```
.text, #text, p{  
    color:rgb(50, 247, 133)  
}
```

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(50, 247, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 247, 133) }
```

Border

The CSS property to change the border of an element to XYZ 38.8098, 68.8931, 33.4425 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(50, 247, 133) }
```


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

```
.border{ border-color:rgb(50, 247, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 247, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 247, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 247, 133);  
box-shadow:4px 4px 4px 4px rgb(50, 247,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8098, 68.8931, 33.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 247, 133) }
```

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

```
.background{ background-color: rgb(50, 247,  
133) }
```

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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