

Converting Colors

XYZ(50.2732, 78.4375, 38.0963)

Have a look what the booklet for
XYZ(50.2732, 78.4375, 38.0963)
contains.

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Color

**XYZ(50.3154, 78.4595,
38.0835)**

Conversions

Conversions Part 1

Format	Color
Hex	85FF8E
RGB	133, 255, 142
RGB Percent	52%, 100%, 56%
CMY	0.4784, 0.0000, 0.4431
CMYK	0.48, 0.00, 0.44, 0.00
HSL	124°, 100%, 76%
HSV	124°, 48%, 100%
XYZ	50.3154, 78.4595, 38.0835
YIQ	205.6400, -36.4390, -61.0070

Conversions

Conversions Part 2

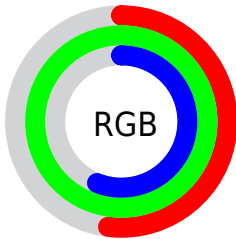
Format	Color
RYB	133, 247, 255
Decimal	8781710
CIELab	90.99, -56.69, 43.55
CIElCh	91, 71.483, 142.466
Yxy	78.4595, 0.3015, 0.4702
Android (android.graphics.Color)	4286971790 (0xFF85FF8E)
YUV	205.6400, -31.3745, -63.7053
Hunter-Lab	88.5774, -53.6154, 36.5126

Details

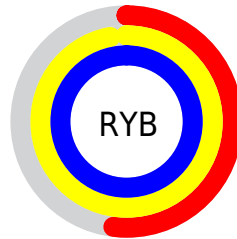
The XYZ color **50.3154, 78.4595, 38.0835** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.2621, 44.6893, 92.3211**, and the grayscale version is **58.6468, 61.7010, 67.1924**.

A 20% lighter version of the original color is **67.5763, 86.7577, 66.0076**, and **24.4842, 42.0484, 16.4986** is the 20% darker color. If you saturate the color by 10%, you get **45.1768, 75.9942, 29.5469**, and if you desaturate by 10%, it is **56.8077, 81.5794, 48.6470**.

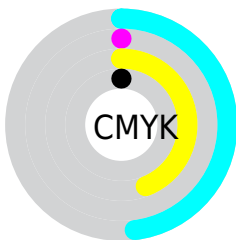
Distribution



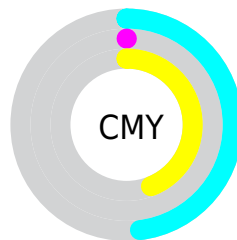
- Red (52%)
- Green (100%)
- Blue (56%)



- Red (52%)
- Yellow (97%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3154, 78.4595, 38.0835 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 50.3154, 78.4595, 38.0835 by changing the saturation by 10% instead.


 50.3154, 78.4595,
38.0835


 50.3154, 78.4595,
38.0835


378.3297,
489.7259, 353.2869


 35.8829, 58.4515,
25.7452


 89.8310, 131.1977,
73.4409

 24.5135, 42.1718,
16.4090


 115.6449,
164.6967, 97.2971

 15.8417, 29.2358,
9.6566


 145.9832,
203.4614, 125.8297

 9.5024, 19.2593,
5.0692

181.2114,
247.8764, 159.4572

 5.1300, 11.8578,
2.2285

221.6948,
298.3259, 198.5981

 2.3593, 6.6469,
0.6907

267.7987,

 0.8247, 3.2423,

355.1944, 243.6710

0.0000

319.8886,
418.8663, 295.0944

0.0000, 1.2595,
0.0000

0.0000, 0.1095,
0.0000

50.3154, 78.4595,
38.0835

50.3154, 78.4595,
38.0835

45.1768, 75.9942,
29.5469

56.8077, 81.5794,
48.6470

41.2948, 74.1359,
22.9040

64.7390, 85.3951,
61.3517

38.5611, 72.8321,
18.0117

74.1890, 89.9455,
76.3079

36.8490, 72.0209,
14.7049

85.2313, 95.2664,
93.6170

■ 35.9928, 71.6211, 95.0500, 100.0000,
12.7865 108.9000

■ 35.8760, 71.5664,
12.5307

Harmonies

Analogous

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



62.0909, 78.4595, 22.5939



50.3154, 78.4595, 38.0835



45.2068, 78.4595, 73.0582

Triad

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



50.3154, 78.4595, 38.0835



70.1186, 78.4595, 226.5572



111.4294, 78.4595, 52.8192

Complementary

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



50.3154, 78.4595, 38.0835



66.2621, 44.6893, 92.3211

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.



114.5060, 78.4595, 99.1230



50.3154, 78.4595, 38.0835



88.6259, 78.4595, 213.9975

Square

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



50.3154, 78.4595, 38.0835



55.3787, 78.4595, 190.8677



105.5920, 78.4595, 161.3441



97.7583, 78.4595, 28.3948

Rectangle

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



50.3154, 78.4595, 38.0835



45.5790, 78.4595, 108.7115



105.5920, 78.4595, 161.3441



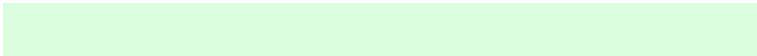
113.8176, 78.4595, 65.7335

Sweetspot

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



50.3159, 78.4598, 38.0848



78.2397, 91.8970, 82.6751



78.3046, 92.9634, 36.0076



16.2534, 19.4322, 16.9214



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

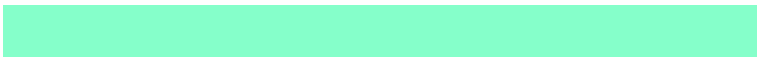
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.3159, 78.4598, 38.0848



45.5599, 76.1778, 30.1912



56.1097, 80.7773, 68.5947



17.8259, 20.1899, 19.3863



18.7654, 37.4028, 6.6498



1.8451, 3.6490, 0.7421

Inverse Universe

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



66.2621, 44.6893, 92.3211



63.1493, 38.8849, 89.9847



58.4766, 41.5751, 51.3234



18.7314, 18.2759, 22.4687



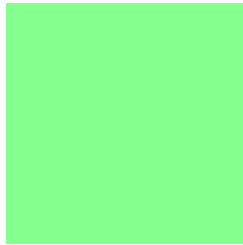
29.4985, 14.2887, 42.8709



2.8887, 1.3979, 4.2615

Previews

White Background



This preview shows how the XYZ color 50.3154, 78.4595, 38.0835 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 50.3154, 78.4595, 38.0835 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 50.3154, 78.4595, 38.0835

Background



This preview shows how black text looks on a background with the XYZ color 50.3154, 78.4595, 38.0835.



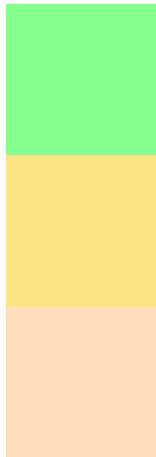
This preview shows how white text looks on a background with the XYZ color 50.3154, 78.4595,

38.0835.

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

50.3154, 78.4595, 38.0835

Protanopia

71.3326, 77.4767, 33.0247

Deuteranopia

76.4384, 77.1334, 58.4364



Tritanopia

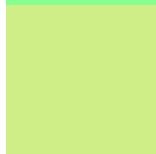
66.3721, 77.9517, 106.1557

Trichromacy



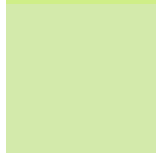
Original Color

50.3154, 78.4595, 38.0835



Protanomaly

60.7506, 76.1920, 34.7972



Deuteranomaly

63.6375, 75.6348, 49.7730



Tritanomaly

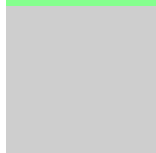
59.0881, 77.5308, 75.4690

Monochromacy



Original Color

50.3154, 78.4595, 38.0835



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.7933, 66.3139, 54.7644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3154, 78.4595, 38.0835 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(133, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 142)  
}
```

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(133, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 50.3154, 78.4595, 38.0835 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(133, 255, 142) }
```


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

```
.border{ border-color:rgb(133, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3154, 78.4595, 38.0835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 142) }
```

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

```
.background{ background-color: rgb(133,  
255, 142) }
```

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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