

Converting Colors

XYZ(50.8191, 78.7536, 36.5520)

Have a look what the booklet for
XYZ(50.8191, 78.7536, 36.5520)
contains.

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Color

**XYZ(50.8287, 78.7583,
36.5677)**

Conversions

Conversions Part 1

Format	Color
Hex	8AFF8A
RGB	138, 255, 138
RGB Percent	54%, 100%, 54%
CMY	0.4588, 0.0000, 0.4588
CMYK	0.46, 0.00, 0.46, 0.00
HSL	120°, 100%, 77%
HSV	120°, 46%, 100%
XYZ	50.8287, 78.7583, 36.5677
YIQ	206.6790, -32.1750, -61.1910

Conversions

Conversions Part 2

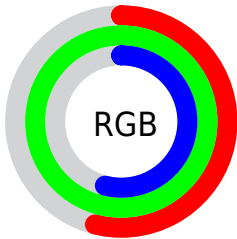
Format	Color
RYB	138, 255, 255
Decimal	9109386
CIELab	91.12, -55.90, 45.68
CIElCh	91, 72.189, 140.746
Yxy	78.7583, 0.3059, 0.4740
Android (android.graphics.Color)	4287299466 (0xFF8AFF8A)
YUV	206.6790, -33.8587, -60.2315
Hunter-Lab	88.7459, -53.0704, 37.6917

Details

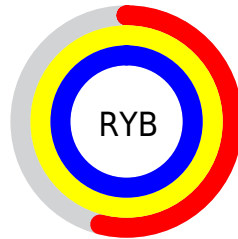
The XYZ color **50.8287, 78.7583, 36.5677** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.3782, 46.6571, 100.0075**, and the grayscale version is **59.3272, 62.4168, 67.9719**.

A 20% lighter version of the original color is **68.4116, 87.2406, 63.6855**, and **24.7478, 42.2081, 15.4370** is the 20% darker color. If you saturate the color by 10%, you get **45.4588, 76.1788, 27.7848**, and if you desaturate by 10%, it is **57.6230, 82.0219, 47.6817**.

Distribution



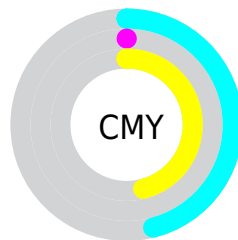
- Red (54%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8287, 78.7583, 36.5677 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 50.8287, 78.7583, 36.5677 by changing the saturation by 10% instead.


 50.8287, 78.7583,
36.5677


 50.8287, 78.7583,
36.5677


380.2965,
490.7383, 346.5473


 36.2928, 58.6971,
24.5798


 90.5860, 131.6185,
71.0863

 24.8316, 42.3693,
15.5481


 116.5381,
165.1864, 94.4540

 16.0797, 29.3906,
9.0541


 147.0263,
204.0252, 122.4522

 9.6718, 19.3765,
4.6792

182.4160,
248.5195, 155.4992

 5.2425, 11.9426,
2.0049

223.0725,
299.0535, 194.0137

 2.4264, 6.7046,
0.5583

269.3612,

 0.8583, 3.2781,

356.0117, 238.4142

0.0000

321.6474,
419.7785, 289.1192

0.0000, 1.2786,
0.0000

0.0000, 0.1245,
0.0000

50.8287, 78.7583,
36.5677

50.8287, 78.7583,
36.5677

45.4588, 76.1788,
27.7848

57.6230, 82.0219,
47.6817

41.4110, 74.2345,
21.1639

65.9320, 86.0132,
61.2726

38.5714, 72.8705,
16.5190

75.8398, 90.7723,
77.4784

36.8061, 72.0225,
13.6313

87.4238, 96.3368,
96.4261

■ 35.9491, 71.6108, 95.0500, 100.0000,
12.2294 108.9000

■ 35.7600, 71.5200,
11.9201

Harmonies

Analogous

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



63.0966, 78.7583, 21.9046



50.8287, 78.7583, 36.5677



45.2767, 78.7583, 70.5798

Triad

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



50.8287, 78.7583, 36.5677



69.3522, 78.7583, 228.2049



112.7249, 78.7583, 54.8400

Complementary

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



50.8287, 78.7583, 36.5677



68.3782, 46.6571, 100.0075

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.



115.1324, 78.7583, 102.9616



50.8287, 78.7583, 36.5677



87.9957, 78.7583, 218.3431

Square

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



50.8287, 78.7583, 36.5677



54.7667, 78.7583, 189.5594



105.4688, 78.7583, 166.4117



99.3436, 78.7583, 29.0802

Rectangle

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



50.8287, 78.7583, 36.5677



45.3904, 78.7583, 105.9026



105.4688, 78.7583, 166.4117



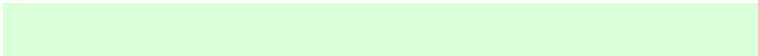
114.9209, 78.7583, 68.3389

Sweetspot

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



50.8291, 78.7584, 36.5689



77.8896, 91.7570, 80.8312



81.5875, 94.6150, 38.0075



16.1696, 19.3987, 16.4802



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.



50.8291, 78.7584, 36.5689



45.8777, 76.3800, 28.4700



56.2623, 80.9317, 65.1798



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



68.3782, 46.6571, 100.0075



65.3918, 40.6843, 99.0117



60.3495, 43.4456, 57.7288



18.7927, 18.3004, 22.7917



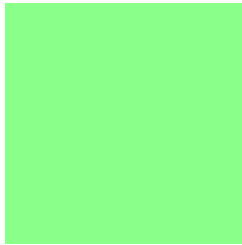
30.9799, 14.8812, 50.6719



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 50.8287, 78.7583, 36.5677 looks on a white background.

Color Contrast Check

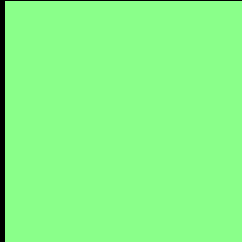
Large Text (above 18pt) WCAG AA × Fail

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 50.8287, 78.7583, 36.5677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

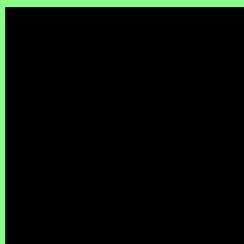
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

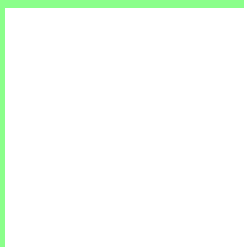
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8287, 78.7583, 36.5677

Background



This preview shows how black text looks on a background with the XYZ color 50.8287, 78.7583, 36.5677.

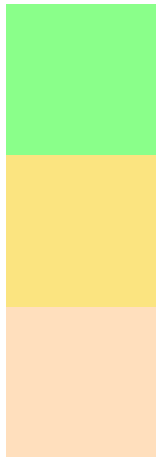


This preview shows how white text looks on a background with the XYZ color 50.8287, 78.7583,

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

50.8287, 78.7583, 36.5677

Protanopia

71.4233, 77.5545, 31.6272

Deuteranopia

76.8130, 77.7095, 59.0951



Tritanopia

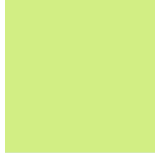
67.0480, 78.3001, 106.1874

Trichromacy



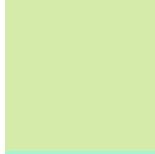
Original Color

50.8287, 78.7583, 36.5677



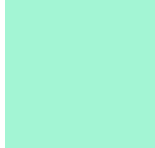
Protanomaly

61.3177, 76.5167, 33.3672



Deuteranomaly

64.1154, 76.3160, 49.3814



Tritanomaly

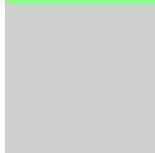
59.6403, 77.8448, 74.1695

Monochromacy



Original Color

50.8287, 78.7583, 36.5677



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.3906, 66.6338, 54.2509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8287, 78.7583, 36.5677 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(138, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 138)  
}
```

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(138, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 138) }
```

Border

The CSS property to change the border of an element to XYZ 50.8287, 78.7583, 36.5677 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(138, 255, 138) }
```


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

```
.border{ border-color:rgb(138, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8287, 78.7583, 36.5677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 138) }
```

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

```
.background{ background-color: rgb(138,  
255, 138) }
```

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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