

Converting Colors

XYZ(51.7905, 78.9606, 49.8731)

Have a look what the booklet for
XYZ(51.7905, 78.9606, 49.8731)
contains.

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Color

**XYZ(51.8235, 78.9738,
50.0482)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFA9
RGB	128, 255, 169
RGB Percent	50%, 100%, 66%
CMY	0.4980, 0.0000, 0.3372
CMYK	0.50, 0.00, 0.34, 0.00
HSL	139°, 100%, 75%
HSV	139°, 50%, 100%
XYZ	51.8235, 78.9738, 50.0482
YIQ	207.2230, -48.0860, -53.6700

Conversions

Conversions Part 2

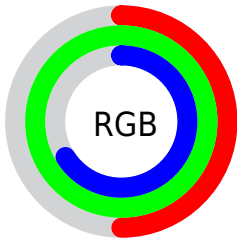
Format	Color
RYB	128, 224, 255
Decimal	8454057
CIELab	91.22, -53.69, 30.52
CIElCh	91, 61.757, 150.387
Yxy	78.9738, 0.2866, 0.4367
Android (android.graphics.Color)	4286644137 (0xFF80FFA9)
YUV	207.2230, -18.8439, -69.4786
Hunter-Lab	88.8672, -51.4241, 28.8161

Details

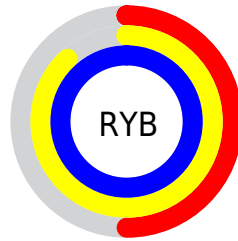
The XYZ color **51.8235, 78.9738, 50.0482** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.0969, 41.5538, 68.4183**, and the grayscale version is **59.5917, 62.6951, 68.2750**.

A 20% lighter version of the original color is **69.8441, 87.5210, 84.4462**, and **25.3654, 42.3517, 23.3608** is the 20% darker color. If you saturate the color by 10%, you get **46.9423, 76.6325, 41.9096**, and if you desaturate by 10%, it is **57.8834, 81.8979, 59.3621**.

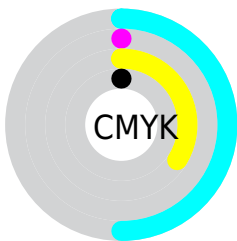
Distribution



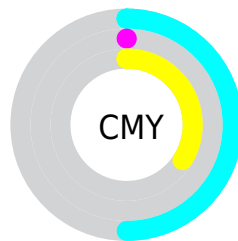
- Red (50%)
- Green (100%)
- Blue (66%)



- Red (50%)
- Yellow (88%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8235, 78.9738, 50.0482 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 51.8235, 78.9738, 50.0482 by changing the saturation by 10% instead.

 51.8235, 78.9738,
50.0482


 51.8235, 78.9738,
50.0482


384.0900,
491.4677, 403.5949


 37.0881, 58.8743,
35.0802


 92.0467, 131.9220,
91.6433

 25.4497, 42.5119,
23.4407


 118.2651,
165.5394, 119.1076

 16.5429, 29.5023,
14.7109

 149.0420,
204.4316, 151.5744

 10.0024, 19.4612,
8.4724

184.7427,
248.9829, 189.4622

 5.4628, 12.0040,
4.3066

225.7324,
299.5778, 233.1896

 2.5588, 6.7464,
1.7950

272.3767,

 0.9250, 3.3040,

356.6007, 283.1752

0.4247

325.0407,
420.4358, 339.8374

0.0000, 1.2924,
0.0000

0.0000, 0.1353,
0.0000

51.8235, 78.9738,
50.0482

51.8235, 78.9738,
50.0482

46.9423, 76.6325,
41.9096

57.8834, 81.8979,
59.3621

43.1565, 74.8322,
34.8951

65.1945, 85.4414,
69.8920

40.3733, 73.5260,
28.9555

73.8247, 89.6384,
81.6814

38.4830, 72.6584,
24.0358

83.8369, 94.5206,
94.7702

■ 37.3147, 72.1426,
20.0743

95.0500, 100.0000,
108.9000

■ 37.2954, 72.1342,
20.0054

Harmonies

Analogous

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



60.8470, 78.9738, 31.0149



51.8235, 78.9738, 50.0482



48.8140, 78.9738, 86.5723

Triad

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



51.8235, 78.9738, 50.0482



75.2656, 78.9738, 204.1563



104.1261, 78.9738, 49.3489

Complementary

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



51.8235, 78.9738, 50.0482



61.0969, 41.5538, 68.4183

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.



109.3517, 78.9738, 85.4084



51.8235, 78.9738, 50.0482



91.3351, 78.9738, 183.8076

Square

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



51.8235, 78.9738, 50.0482



61.1535, 78.9738, 184.7749



104.3790, 78.9738, 135.9886



90.9345, 78.9738, 30.7210

Rectangle

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



51.8235, 78.9738, 50.0482



50.2420, 78.9738, 119.6384



104.3790, 78.9738, 135.9886



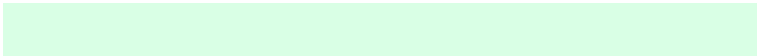
106.9482, 78.9738, 59.3267

Sweetspot

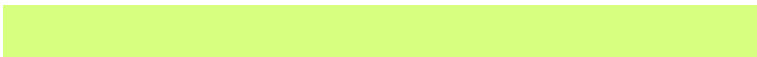
The Sweet Spot groups the original color and five complimentary colors.



51.8240, 78.9740, 50.0495



78.4577, 91.8961, 87.8037



67.6173, 87.4929, 33.7467



16.3495, 19.4532, 18.2105



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.



51.8240, 78.9740, 50.0495



46.8576, 76.5920, 41.7609



59.1877, 81.9195, 88.8258



18.0133, 20.2648, 20.3728



19.5479, 37.7157, 10.7703



1.9508, 3.6913, 1.2990

Inverse Universe

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



61.0969, 41.5538, 68.4183



57.0840, 35.1998, 61.9266



54.5685, 38.9424, 34.0401



18.5285, 18.1947, 21.4005



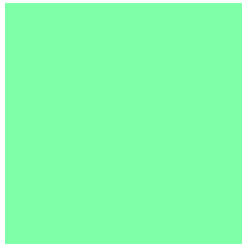
25.5449, 12.7073, 22.0520



2.5373, 1.2573, 2.4107

Previews

White Background



This preview shows how the XYZ color 51.8235, 78.9738, 50.0482 looks on a white background.

Color Contrast Check

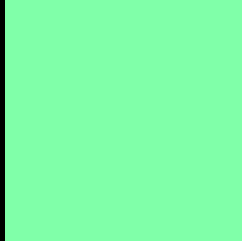
Large Text (above 18pt) WCAG AA × Fail

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 51.8235, 78.9738, 50.0482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

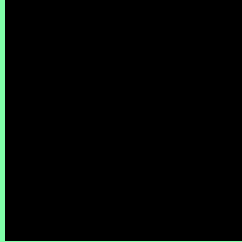
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

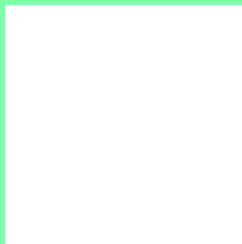
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8235, 78.9738, 50.0482

Background



This preview shows how black text looks on a background with the XYZ color 51.8235, 78.9738, 50.0482.

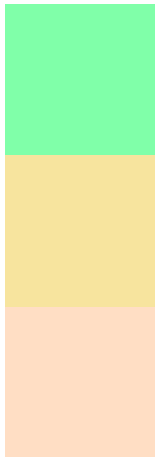


This preview shows how white text looks on a background with the XYZ color 51.8235, 78.9738,

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

51.8235, 78.9738, 50.0482

Protanopia

72.2727, 77.7296, 43.5419

Deuteranopia

77.3251, 77.4881, 63.1058



Tritanopia

66.6656, 78.5388, 106.2536

Trichromacy



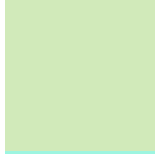
Original Color

51.8235, 78.9738, 50.0482



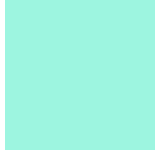
Protanomaly

61.9980, 76.5951, 45.6991



Deuteranomaly

64.5802, 75.9461, 57.7097



Tritanomaly

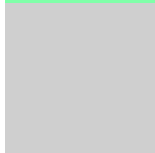
60.0116, 77.8547, 82.3855

Monochromacy



Original Color

51.8235, 78.9738, 50.0482



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.6414, 66.6265, 60.4324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8235, 78.9738, 50.0482 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(128, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 169)  
}
```

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(128, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 51.8235, 78.9738, 50.0482 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(128, 255, 169) }
```


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

```
.border{ border-color:rgb(128, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8235, 78.9738, 50.0482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 169) }
```

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

```
.background{ background-color: rgb(128,  
255, 169) }
```

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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