

Converting Colors

XYZ(54.2695, 85.8694, 59.9465)

Have a look what the booklet for
XYZ(54.2695, 85.8694, 59.9465)
contains.

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Color

**XYZ(50.3318, 78.0082,
58.8587)**

Conversions

Conversions Part 1

Format	Color
Hex	68FFBA
RGB	104, 255, 186
RGB Percent	41%, 100%, 73%
CMY	0.5921, 0.0000, 0.2706
CMYK	0.59, 0.00, 0.27, 0.00
HSL	153°, 100%, 70%
HSV	153°, 59%, 100%
XYZ	50.3318, 78.0082, 58.8587
YIQ	201.9850, -67.8470, -53.4710

Conversions

Conversions Part 2

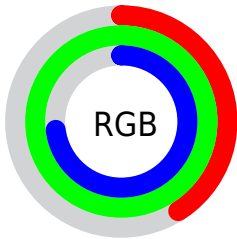
Format	Color
RYB	104, 202, 255
Decimal	6881210
CIELab	90.78, -55.76, 21.19
CIELCh	91, 59.646, 159.193
Yxy	78.0082, 0.2689, 0.4167
Android (android.graphics.Color)	4285071290 (0xFF68FFBA)
YUV	201.9850, -7.8806, -85.9328
Hunter-Lab	88.3223, -52.8430, 22.3142

Details

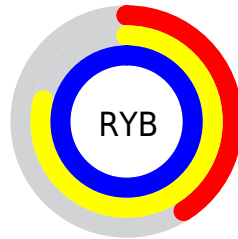
The XYZ color **50.3318, 78.0082, 58.8587** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.7336, 34.1785, 43.3007**, and the grayscale version is **56.2077, 59.1349, 64.3979**.

A 20% lighter version of the original color is **67.5129, 86.0378, 97.0531**, and **24.5092, 41.7854, 28.9639** is the 20% darker color. If you saturate the color by 10%, you get **46.6175, 76.2307, 52.4806**, and if you desaturate by 10%, it is **55.0431, 80.2879, 65.8134**.

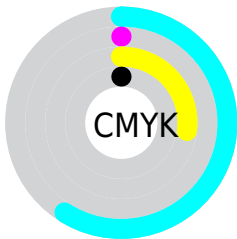
Distribution



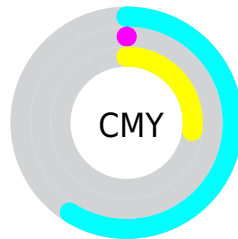
- Red (41%)
- Green (100%)
- Blue (73%)



- Red (41%)
- Yellow (79%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3318, 78.0082, 58.8587 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 50.3318, 78.0082, 58.8587 by changing the saturation by 10% instead.


 50.3318, 78.0082,
58.8587


 50.3318, 78.0082,
58.8587


378.3926,
488.1947, 438.0654


 35.8960, 58.0807,
42.0801


 89.8552, 130.5617,
104.6994

 24.5236, 41.8735,
28.8380


 115.6734,
163.9565, 134.5985

 15.8493, 29.0023,
18.7138


 146.0166,
202.6091, 169.7083

 9.5078, 19.0825,
11.2889

181.2499,
246.9041, 210.4473

 5.1336, 11.7299,
6.1449

221.7389,
297.2257, 257.2339

 2.3614, 6.5601,
2.8632

267.8487,

 0.8258, 3.1885,

353.9585, 310.4868

1.0252

319.9449,
417.4866, 370.6244

0.0000, 1.2309,
0.0000

0.0000, 0.0868,
0.0000

50.3318, 78.0082,
58.8587

50.3318, 78.0082,
58.8587

46.6175, 76.2307,
52.4806

55.0431, 80.2879,
65.8134

43.8122, 74.9105,
46.6587


60.8248, 83.1075,
73.3564


41.8151, 73.9958,
41.3764

67.7454, 86.5021,
81.5039

40.4741, 73.4085,
36.6132

75.8670, 90.5033,
90.2700

 40.3822, 73.3689,
36.2599

 85.2468, 95.1404,
99.6686

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.3800, 78.0082, 35.6779



50.3318, 78.0082, 58.8587



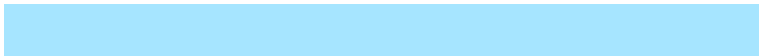
49.1747, 78.0082, 98.8206

Triad

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



50.3318, 78.0082, 58.8587



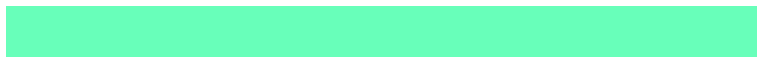
78.8455, 78.0082, 195.2694



98.8030, 78.0082, 42.7215

Complementary

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



50.3318, 78.0082, 58.8587



53.7336, 34.1785, 43.3007

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.



106.3942, 78.0082, 72.4199



50.3318, 78.0082, 58.8587



93.8922, 78.0082, 166.3259

Square

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



50.3318, 78.0082, 58.8587



64.3694, 78.0082, 187.8346



104.4851, 78.0082, 117.7660



84.8622, 78.0082, 28.7802

Rectangle

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



50.3318, 78.0082, 58.8587



51.7203, 78.0082, 131.9004



104.4851, 78.0082, 117.7660



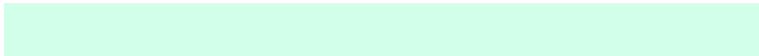
102.2620, 78.0082, 50.7001

Sweetspot

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



50.3325, 78.0085, 58.8600



76.9378, 91.0319, 91.3774



55.8190, 81.5721, 25.9006



15.9253, 19.2168, 18.9939



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.



50.3325, 78.0085, 58.8600



46.0525, 75.9628, 51.4007



57.9346, 78.5138, 106.7090



18.1842, 20.3332, 21.2729



21.1769, 38.3673, 19.3486



2.1171, 3.7578, 2.1744

Inverse Universe

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



53.7336, 34.1785, 43.3007



49.7440, 28.5743, 34.6490



49.2114, 33.2046, 16.9130



18.3546, 18.1251, 20.4843



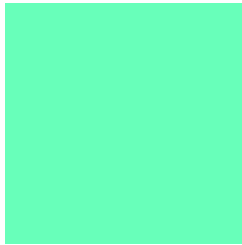
23.2851, 11.8033, 10.1519



2.3215, 1.1710, 1.2745

Previews

White Background



This preview shows how the XYZ color 50.3318, 78.0082, 58.8587 looks on a white background.

Color Contrast Check

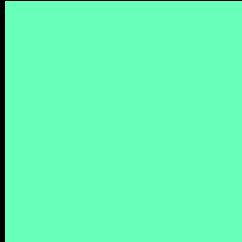
Large Text (above 18pt) WCAG AA × Fail

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 50.3318, 78.0082, 58.8587 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

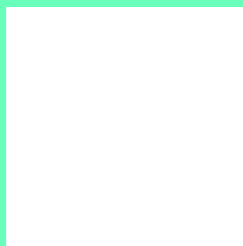
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3318, 78.0082, 58.8587

Background



This preview shows how black text looks on a background with the XYZ color 50.3318, 78.0082, 58.8587.

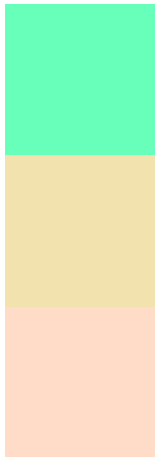


This preview shows how white text looks on a background with the XYZ color 50.3318, 78.0082,

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

50.3318, 78.0082, 58.8587

Protanopia

71.3571, 76.2871, 50.4991

Deuteranopia

77.2585, 76.6165, 65.3601



Tritanopia

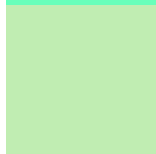
64.3143, 77.3267, 106.1436

Trichromacy



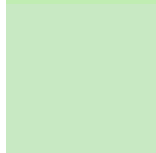
Original Color

50.3318, 78.0082, 58.8587



Protanomaly

60.0583, 74.9892, 53.4284



Deuteranomaly

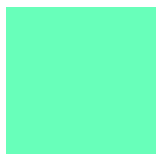
62.8087, 74.4973, 62.6988



Tritanomaly

58.0907, 76.7688, 86.6191

Monochromacy



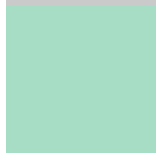
Original Color

50.3318, 78.0082, 58.8587



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.5461, 63.8054, 61.8235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3318, 78.0082, 58.8587 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(104, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 186)  
}
```

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(104, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 50.3318, 78.0082, 58.8587 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(104, 255, 186) }
```


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

```
.border{ border-color:rgb(104, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3318, 78.0082, 58.8587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 186) }
```

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

```
.background{ background-color: rgb(104,  
255, 186) }
```

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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