

Converting Colors

XYZ(50.1613, 68.4168, 67.0204)

Have a look what the booklet for
XYZ(50.1613, 68.4168, 67.0204)
contains.

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Color

**XYZ(50.0338, 68.2258,
67.0317)**

Conversions

Conversions Part 1

Format	Color
Hex	86EACB
RGB	134, 234, 203
RGB Percent	53%, 92%, 80%
CMY	0.4745, 0.0823, 0.2039
CMYK	0.43, 0.00, 0.13, 0.08
HSL	161°, 70%, 72%
HSV	161°, 43%, 92%
XYZ	50.0338, 68.2258, 67.0317
YIQ	200.5660, -49.6490, -30.8410

Conversions

Conversions Part 2

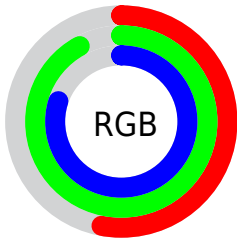
Format	Color
RYB	134, 193, 234
Decimal	8841931
CIELab	86.12, -36.45, 5.93
CIELCh	86, 36.930, 170.762
Yxy	68.2258, 0.2700, 0.3682
Android (android.graphics.Color)	4287032011 (0xFF86EACB)
YUV	200.5660, 1.2000, -58.3784
Hunter-Lab	82.5989, -36.4228, 9.7035

Details

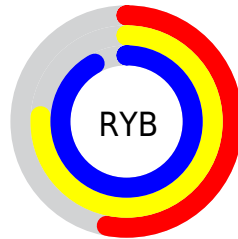
The XYZ color **50.0338, 68.2258, 67.0317** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.2506, 37.2609, 40.1962**, and the grayscale version is **55.2651, 58.1432, 63.3180**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.4058, 35.5885, 34.0167** is the 20% darker color. If you saturate the color by 10%, you get **45.8647, 66.1759, 62.4297**, and if you desaturate by 10%, it is **55.0723, 70.7228, 71.8886**.

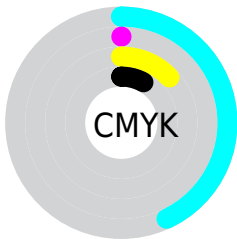
Distribution



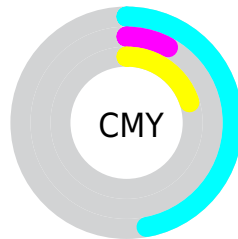
- Red (53%)
- Green (92%)
- Blue (80%)



- Red (53%)
- Yellow (76%)
- Blue (92%)



- Cyan (43%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)





- Cyan (47%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0338, 68.2258, 67.0317 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 50.0338, 68.2258, 67.0317 by changing the saturation by 10% instead.


 50.0338, 68.2258,
67.0317


 50.0338, 68.2258,
67.0317


377.2479,
454.2956, 468.5622


 35.6582, 50.0815,
48.6486


 89.4165, 116.6751,
116.6069

 24.3392, 35.4781,
33.9772


 115.1542,
147.7489, 148.6361

 15.7115, 24.0314,
22.5989


 145.4101,
183.9012, 186.0512

 9.4098, 15.3569,
14.0951

180.5493,
225.5165, 229.2705

 5.0687, 9.0703,
8.0473

220.9374,
272.9792, 278.7128

 2.3228, 4.7870,
4.0370


266.9396,

 0.8063, 2.1229,


326.6737, 334.7964


1.6457


318.9213,
386.9844, 397.9400


 0.0000, 0.6774,
0.3231

 0.0000, 0.0000,
0.0000


 50.0338, 68.2258,
67.0317


 50.0338, 68.2258,
67.0317


 45.8647, 66.1759,
62.4297


 55.0723, 70.7228,
71.8886


 42.5037, 64.5362,
58.0723


 61.0251, 73.6845,
77.0008


 39.8904, 63.2774,
53.9555

 67.9405, 77.1378,
82.3749


 37.9531, 62.3626,
50.0727


 75.8620, 81.1048,
88.0155


 36.6052, 61.7473,
46.4169

 84.8301, 85.6065,
93.9271

 35.8976, 61.4375,
43.8970

 87.3800, 86.7945,
99.7631

 88.5189, 87.2500,
105.7603

 88.7141, 87.3281,
106.7880

Harmonies

Analogous

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



53.0087, 68.2258, 48.4677



50.0338, 68.2258, 67.0317



50.7507, 68.2258, 92.1187

Triad

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



50.0338, 68.2258, 67.0317



70.8061, 68.2258, 127.1281



75.7285, 68.2258, 43.6450

Complementary

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



50.0338, 68.2258, 67.0317



49.2506, 37.2609, 40.1962

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.



81.3371, 68.2258, 58.9178



50.0338, 68.2258, 67.0317



78.3274, 68.2258, 107.9508

Square

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



50.0338, 68.2258, 67.0317



62.2614, 68.2258, 130.6352



82.3275, 68.2258, 82.0463



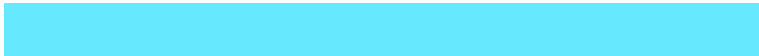
67.5024, 68.2258, 37.0410

Rectangle

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



50.0338, 68.2258, 67.0317



53.2529, 68.2258, 109.1767



82.3275, 68.2258, 82.0463



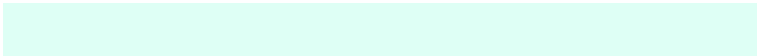
78.0115, 68.2258, 47.7552

Sweetspot

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



50.0357, 68.2285, 67.0333



82.2774, 93.6016, 99.8949



49.3841, 68.6408, 33.2014



17.1915, 19.8250, 21.0662



0.0000, 0.0000, 0.0000



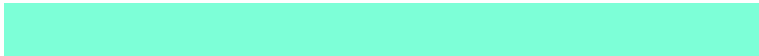
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0357, 68.2285, 67.0333



56.4350, 80.7662, 76.6908



49.1554, 59.9525, 86.8264



15.3073, 17.0377, 18.3012



20.2306, 34.5467, 24.9774



1.6314, 2.7299, 2.1870

Inverse Universe

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



49.2506, 37.2609, 40.1962



55.3833, 38.6410, 40.2649



49.5193, 41.7803, 28.0097



15.2578, 15.1310, 16.6428



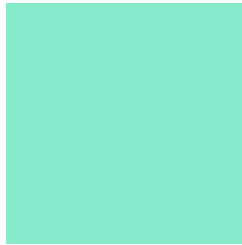
19.7848, 10.1166, 4.6679



1.5954, 0.8111, 0.5866

Previews

White Background



This preview shows how the XYZ color 50.0338, 68.2258, 67.0317 looks on a white background.

Color Contrast Check

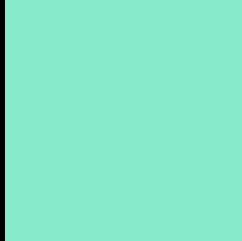
Large Text (above 18pt) WCAG AA × Fail

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 50.0338, 68.2258, 67.0317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

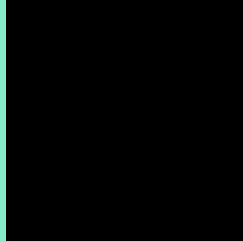
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0338, 68.2258, 67.0317

Background



This preview shows how black text looks on a background with the XYZ color 50.0338, 68.2258, 67.0317.

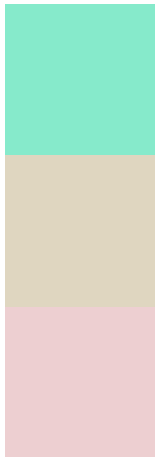


This preview shows how white text looks on a background with the XYZ color 50.0338, 68.2258,

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

50.0338, 68.2258, 67.0317

Protanopia

63.9924, 67.5869, 59.5420

Deuteranopia

68.7465, 67.2336, 69.6757



Tritanopia

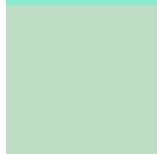
56.0550, 68.1604, 97.3906

Trichromacy



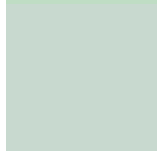
Original Color

50.0338, 68.2258, 67.0317



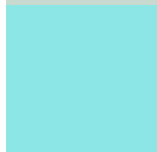
Protanomaly

57.3061, 66.7748, 62.0930



Deuteranomaly

59.8948, 66.4101, 68.6931



Tritanomaly

53.5642, 67.9695, 85.1592

Monochromacy



Original Color

50.0338, 68.2258, 67.0317



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.5864, 61.1999, 64.9183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0338, 68.2258, 67.0317 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(134, 234, 203)` looks like.

```
.text, #text, p{  
    color:rgb(134, 234, 203)  
}
```

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(134, 234, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 234, 203) }
```

Border

The CSS property to change the border of an element to XYZ 50.0338, 68.2258, 67.0317 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(134, 234, 203) }
```


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

```
.border{ border-color:rgb(134, 234, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 234, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 234, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 234, 203);  
box-shadow:4px 4px 4px 4px rgb(134, 234,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0338, 68.2258, 67.0317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 234, 203) }
```

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

```
.background{ background-color: rgb(134,  
234, 203) }
```

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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