

Converting Colors

XYZ(42.4637, 63.0578, 38.6500)

Have a look what the booklet for
XYZ(42.4637, 63.0578, 38.6500)
contains.

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Color

**XYZ(42.7039, 63.3848,
38.8379)**

Conversions

Conversions Part 1

Format	Color
Hex	80E696
RGB	128, 230, 150
RGB Percent	50%, 90%, 59%
CMY	0.4980, 0.0980, 0.4118
CMYK	0.44, 0.00, 0.35, 0.10
HSL	133°, 67%, 70%
HSV	133°, 44%, 90%
XYZ	42.7039, 63.3848, 38.8379
YIQ	190.3820, -35.1120, -46.5040

Conversions

Conversions Part 2

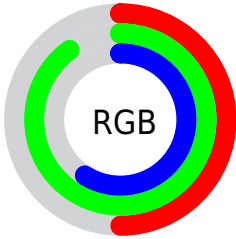
Format	Color
RYB	128, 212, 230
Decimal	8447638
CIELab	83.64, -46.55, 29.96
CIELCh	84, 55.357, 147.232
Yxy	63.3848, 0.2947, 0.4374
Android (android.graphics.Color)	4286637718 (0xFF80E696)
YUV	190.3820, -19.9083, -54.7090
Hunter-Lab	79.6146, -43.5811, 26.8071

Details

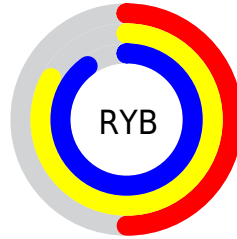
The XYZ color **42.7039, 63.3848, 38.8379** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.7395, 36.8167, 64.0561**, and the grayscale version is **49.2909, 51.8579, 56.4733**.

A 20% lighter version of the original color is **66.7870, 86.2421, 70.8839**, and **19.9392, 32.4935, 16.7763** is the 20% darker color. If you saturate the color by 10%, you get **38.2861, 61.2643, 31.6238**, and if you desaturate by 10%, it is **48.1326, 66.0042, 47.2695**.

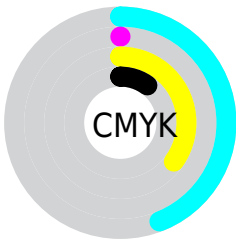
Distribution



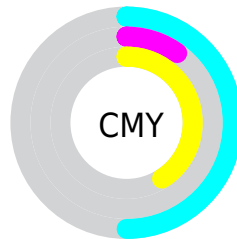
- Red (50%)
- Green (90%)
- Blue (59%)



- Red (50%)
- Yellow (83%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (35%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7039, 63.3848, 38.8379 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 42.7039, 63.3848, 38.8379 by changing the saturation by 10% instead.


 42.7039, 63.3848,
38.8379


 42.7039, 63.3848,
38.8379


348.3348,
436.9647, 356.6062

 29.8464, 46.1526,
26.3268


 78.5223, 109.7245,
74.6082

 19.8695, 32.3662,
16.8403


 102.2140,
139.6007, 98.7045

 12.4079, 21.6414,
9.9600


 130.2477,
174.4604, 127.4996

 7.0963, 13.5936,
5.2672

162.9888,
214.6880, 161.4121

 3.5693, 7.8386,
2.3434

200.8027,
260.6678, 200.8604

 1.4615, 3.9918,
0.7554

244.0548,

 0.2994, 1.6690,

312.7842, 246.2632

0.0000

293.1104,
371.4217, 298.0389

■ 0.0000, 0.4035,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7039, 63.3848,
38.8379

■ 42.7039, 63.3848,
38.8379

■ 38.2861, 61.2643,
31.6238

■ 48.1326, 66.0042,
47.2695

■ 34.8106, 59.6031,
25.5666


■ 54.6257, 69.1436,
56.9667


■ 32.2076, 58.3682,
20.6070


■ 62.2383, 72.8322,
67.9804


■ 30.3951, 57.5189,
16.6788

■ 71.0205, 77.0947,
80.3575

 29.2745, 57.0058,
13.7083

 81.0193, 81.9545,
94.1424

 28.8654, 56.8230,
12.4202

 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



50.2023, 63.3848, 25.0679



42.7039, 63.3848, 38.8379



39.8448, 63.3848, 65.8429

Triad

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



42.7039, 63.3848, 38.8379



59.1272, 63.3848, 159.3985



83.4225, 63.3848, 42.7676

Complementary

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



42.7039, 63.3848, 38.8379



51.7395, 36.8167, 64.0561

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.



86.6367, 63.3848, 72.2879



42.7039, 63.3848, 38.8379



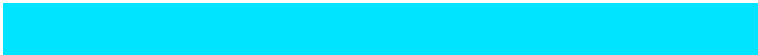
71.5457, 63.3848, 146.9534

Square

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



42.7039, 63.3848, 38.8379



48.4964, 63.3848, 141.6846



82.0325, 63.3848, 111.7873



73.7534, 63.3848, 26.7443

Rectangle

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



42.7039, 63.3848, 38.8379



40.6228, 63.3848, 90.7247



82.0325, 63.3848, 111.7873



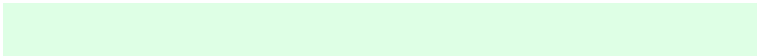
85.3457, 63.3848, 51.0787

Sweetspot

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



42.7055, 63.3874, 38.8393



79.9811, 92.6831, 87.8030



58.6601, 71.7981, 31.1893



16.6264, 19.5990, 18.0904



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.



42.7055, 63.3874, 38.8393



48.9098, 77.6723, 40.8484



47.5560, 65.3276, 64.3818



14.3159, 16.1398, 15.9284



16.3780, 32.1833, 7.2251



1.2442, 2.3918, 0.7127

Inverse Universe

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



51.7395, 36.8167, 64.0561



61.6453, 40.1396, 76.3420



46.5774, 34.7518, 36.8731



14.8550, 14.5592, 17.4369



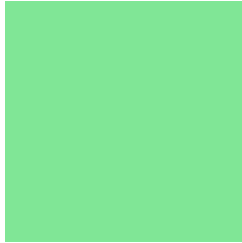
23.2086, 11.4177, 25.7914



1.7482, 0.8570, 2.0807

Previews

White Background



This preview shows how the XYZ color 42.7039, 63.3848, 38.8379 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 42.7039, 63.3848, 38.8379 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 42.7039, 63.3848, 38.8379

Background



This preview shows how black text looks on a background with the XYZ color 42.7039, 63.3848, 38.8379.



This preview shows how white text looks on a background with the XYZ color 42.7039, 63.3848,

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

42.7039, 63.3848, 38.8379

Protanopia

57.7869, 62.3664, 33.8032

Deuteranopia

63.8175, 62.5143, 40.6012



Tritanopia

52.6502, 62.9805, 89.5023

Trichromacy



Original Color

42.7039, 63.3848, 38.8379



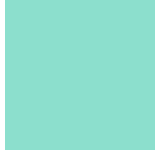
Protanomaly

50.3207, 61.4333, 35.5912



Deuteranomaly

53.2364, 60.9828, 39.5369



Tritanomaly

48.2223, 62.7586, 67.3296

Monochromacy



Original Color

42.7039, 63.3848, 38.8379



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.5055, 54.9733, 48.7699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7039, 63.3848, 38.8379 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, 230, 150)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 150)  
}
```

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, 230, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 150) }
```

Border

The CSS property to change the border of an element to XYZ 42.7039, 63.3848, 38.8379 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, 230, 150) }
```


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

```
.border{ border-color:rgb(128, 230, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 230, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 150);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7039, 63.3848, 38.8379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 150) }
```

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

```
.background{ background-color: rgb(128,  
230, 150) }
```

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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