

Converting Colors

XYZ(39.0306, 57.9002, 57.4593)

Have a look what the booklet for
XYZ(39.0306, 57.9002, 57.4593)
contains.

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Color

**XYZ(38.9627, 57.8015,
57.2474)**

Conversions

Conversions Part 1

Format	Color
Hex	54DEBD
RGB	84, 222, 189
RGB Percent	33%, 87%, 74%
CMY	0.6706, 0.1294, 0.2588
CMYK	0.62, 0.00, 0.15, 0.13
HSL	166°, 68%, 60%
HSV	166°, 62%, 87%
XYZ	38.9627, 57.8015, 57.2474
YIQ	176.9760, -71.6550, -39.5190

Conversions

Conversions Part 2

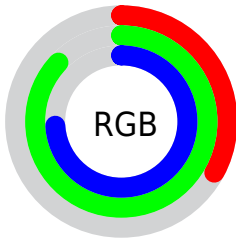
Format	Color
RYB	84, 162, 222
Decimal	5562045
CIELab	80.63, -45.07, 5.18
CIELCh	81, 45.371, 173.446
Yxy	57.8015, 0.2530, 0.3753
Android (android.graphics.Color)	4283752125 (0xFF54DEBD)
YUV	176.9760, 5.9278, -81.5400
Hunter-Lab	76.0273, -41.5695, 8.5746

Details

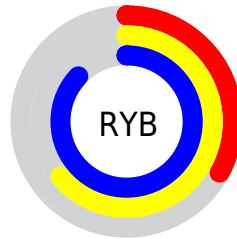
The XYZ color **38.9627, 57.8015, 57.2474** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **36.5073, 23.1560, 19.3770**, and the grayscale version is **41.7756, 43.9512, 47.8629**.

A 20% lighter version of the original color is **64.0955, 84.2236, 99.2648**, and **18.0802, 29.0500, 27.9468** is the 20% darker color. If you saturate the color by 10%, you get **36.7161, 56.7102, 54.1897**, and if you desaturate by 10%, it is **41.8631, 59.2303, 60.4484**.

Distribution



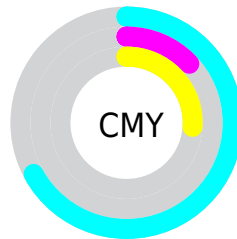
- Red (33%)
- Green (87%)
- Blue (74%)



- Red (33%)
- Yellow (64%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9627, 57.8015, 57.2474 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 38.9627, 57.8015, 57.2474 by changing the saturation by 10% instead.


 38.9627, 57.8015,
57.2474


 38.9627, 57.8015,
57.2474


332.9418,
416.4459, 431.8954


 26.9113, 41.6491,
40.7932


 72.8758, 101.6337,
102.3300


 17.6429, 28.8266,
27.8391

 95.4682, 130.0824,
131.7955

 10.7920, 18.9497,
17.9664


 122.3049,
163.3985, 166.4352

 5.9934, 11.6339,
10.7567

 153.7514,
201.9666, 206.6676

 2.8817, 6.4949,
5.7914

190.1730,
246.1709, 252.9113

 1.0915, 3.1483,
2.6519

231.9350,

 0.0180, 1.2096,

296.3960, 305.5848

0.9191

279.4028,
353.0262, 365.1066

■ 0.0000, 0.0696,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9627, 57.8015,
57.2474

■ 38.9627, 57.8015,
57.2474

■ 36.7161, 56.7102,
54.1897

■ 41.8631, 59.2303,
60.4484

■ 35.0565, 55.9175,
51.2672


■ 45.4664, 61.0176,
63.7923


■ 33.9107, 55.3875,
48.4765


■ 49.8226, 63.1905,
67.2839


■ 33.2755, 55.1058,
46.3758


■ 54.9755, 65.7717,
70.9262

 60.9658, 68.7820,
74.7224

 67.8310, 72.2408,
78.6752

 75.6067, 76.1663,
82.7874

 81.8532, 79.3009,
86.9458

 82.6168, 79.6063,
90.9665

Harmonies

Analogous

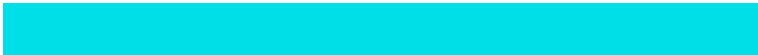
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7416, 57.8015, 37.0105



38.9627, 57.8015, 57.2474



40.0583, 57.8015, 85.6913

Triad

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



38.9627, 57.8015, 57.2474



62.3962, 57.8015, 122.8771



66.3404, 57.8015, 30.0087

Complementary

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



38.9627, 57.8015, 57.2474



36.5073, 23.1560, 19.3770

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.



73.1112, 57.8015, 44.6143



38.9627, 57.8015, 57.2474



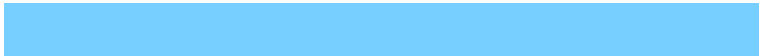
70.6597, 57.8015, 98.7958

Square

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



38.9627, 57.8015, 57.2474



52.9146, 57.8015, 129.0855



74.7751, 57.8015, 68.9895



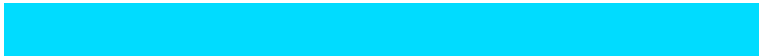
57.0135, 57.8015, 24.4276

Rectangle

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



38.9627, 57.8015, 57.2474



42.9073, 57.8015, 105.3301



74.7751, 57.8015, 68.9895



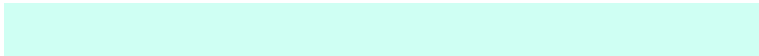
69.0317, 57.8015, 33.7856

Sweetspot

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



38.9643, 57.8038, 57.2487



77.6068, 91.2167, 98.6380



35.2626, 56.7717, 17.4879



16.1298, 19.2826, 20.7964



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.



38.9643, 57.8038, 57.2487



49.3994, 77.2181, 72.7937



34.7193, 42.9140, 75.5632



13.9691, 15.5134, 16.8724



19.8097, 32.7487, 27.7847



1.4072, 2.2836, 2.1057

Inverse Universe

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



36.5073, 23.1560, 19.3770



45.8459, 26.0133, 17.2104



38.2637, 29.2463, 12.0168



13.8409, 13.7540, 14.9325



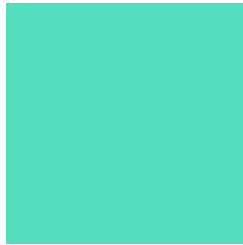
18.3125, 9.3920, 3.0454



1.3041, 0.6649, 0.3943

Previews

White Background



This preview shows how the XYZ color 38.9627, 57.8015, 57.2474 looks on a white background.

Color Contrast Check

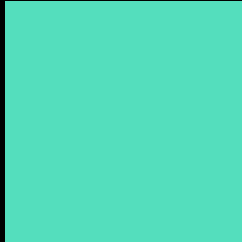
Large Text (above 18pt) WCAG AA × Fail

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 38.9627, 57.8015, 57.2474 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

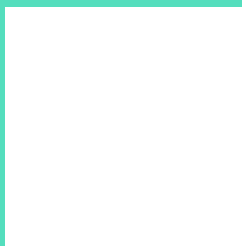
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9627, 57.8015, 57.2474

Background



This preview shows how black text looks on a background with the XYZ color 38.9627, 57.8015, 57.2474.

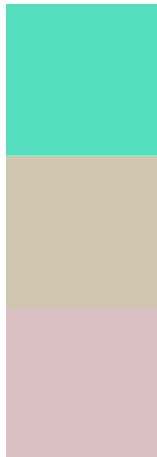


This preview shows how white text looks on a background with the XYZ color 38.9627, 57.8015,

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

38.9627, 57.8015, 57.2474

Protanopia

53.7627, 56.7882, 49.2019

Deuteranopia

57.9134, 56.6995, 59.5215



Tritanopia

44.6307, 57.7616, 85.8876

Trichromacy



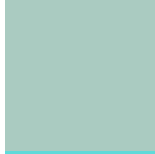
Original Color

38.9627, 57.8015, 57.2474



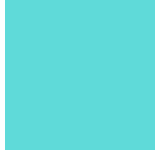
Protanomaly

45.5536, 55.6432, 52.0553



Deuteranomaly

47.5591, 55.1082, 58.5824



Tritanomaly

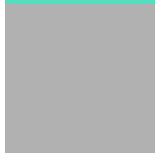
42.3151, 57.5855, 74.5305

Monochromacy



Original Color

38.9627, 57.8015, 57.2474



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.7381, 47.3158, 50.8072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9627, 57.8015, 57.2474 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(84, 222, 189)` looks like.

```
.text, #text, p{  
    color:rgb(84, 222, 189)  
}
```

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(84, 222, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 222, 189) }
```

Border

The CSS property to change the border of an element to XYZ 38.9627, 57.8015, 57.2474 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(84, 222, 189) }
```


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

```
.border{ border-color:rgb(84, 222, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 222, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 222, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 222, 189);  
box-shadow:4px 4px 4px 4px rgb(84, 222,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9627, 57.8015, 57.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 222, 189) }
```

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

```
.background{ background-color: rgb(84, 222,  
189) }
```

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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