

Converting Colors

XYZ(38.2350, 57.0133, 54.4192)

Have a look what the booklet for
XYZ(38.2350, 57.0133, 54.4192)
contains.

XYZ(38.2545, 57.1049, 54.3535)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.2545, 57.1049,
54.3535)**

Conversions

Conversions Part 1

Format	Color
Hex	55DDB8
RGB	85, 221, 184
RGB Percent	33%, 87%, 72%
CMY	0.6666, 0.1333, 0.2784
CMYK	0.62, 0.00, 0.17, 0.13
HSL	164°, 67%, 60%
HSV	164°, 62%, 87%
XYZ	38.2545, 57.1049, 54.3535
YIQ	176.1180, -69.1790, -40.3390

Conversions

Conversions Part 2

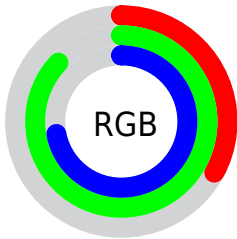
Format	Color
RYB	85, 164, 221
Decimal	5627320
CIELab	80.24, -45.66, 7.27
CIELCh	80, 46.234, 170.948
Yxy	57.1049, 0.2555, 0.3814
Android (android.graphics.Color)	4283817400 (0xFF55DDB8)
YUV	176.1180, 3.8858, -79.9105
Hunter-Lab	75.5678, -41.8820, 10.2520

Details

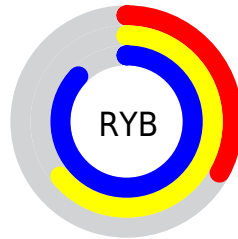
The XYZ color **38.2545, 57.1049, 54.3535** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **36.5821, 23.2758, 20.9791**, and the grayscale version is **41.3361, 43.4888, 47.3593**.

A 20% lighter version of the original color is **63.5208, 84.0143, 95.3066**, and **17.5519, 28.5490, 26.0582** is the 20% darker color. If you saturate the color by 10%, you get **35.9360, 55.9824, 51.0252**, and if you desaturate by 10%, it is **41.2294, 58.5655, 57.8549**.

Distribution



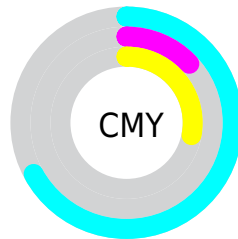
- Red (33%)
- Green (87%)
- Blue (72%)



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



- Cyan (62%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2545, 57.1049, 54.3535 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 38.2545, 57.1049, 54.3535 by changing the saturation by 10% instead.


 38.2545, 57.1049,
54.3535

 38.2545, 57.1049,
54.3535

329.9725,
413.8423, 420.6693


 26.3584, 41.0895,
38.4893


 71.7994, 100.6182,
98.0547


 17.2260, 28.3890,
26.0579


 94.1790, 128.8849,
126.7288

 10.4921, 18.6191,
16.6408


 120.7837,
162.0042, 160.5098

 5.7912, 11.3954,
9.8195

 151.9789,
200.3603, 199.8164

 2.7580, 6.3334,
5.1754

188.1301,
244.3378, 245.0671

 1.0271, 3.0489,
2.2900

229.6025,

 0.0000, 1.1573,

294.3211, 296.6805

0.7256

276.7615,
350.6944, 355.0750

■ 0.0000, 0.0264,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.2545, 57.1049,
54.3535

■ 38.2545, 57.1049,
54.3535

■ 35.9360, 55.9824,
51.0252

■ 41.2294, 58.5655,
57.8549

■ 34.2082, 55.1599,
47.8615


■ 44.9089, 60.3849,
61.5296


■ 32.9998, 54.6022,
44.8585

■ 49.3423, 62.5897,
65.3828


■ 32.2793, 54.2836,
42.4365


■ 54.5728, 65.2022,
69.4181

 60.6404, 68.2430,
73.6391

 67.5823, 71.7313,
78.0490

 75.4335, 75.6850,
82.6510

 81.6779, 78.8071,
87.3289

 82.5475, 79.1549,
91.9079

Harmonies

Analogous

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



41.3676, 57.1049, 34.8439



38.2545, 57.1049, 54.3535



39.0307, 57.1049, 82.6725

Triad

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



38.2545, 57.1049, 54.3535



61.0269, 57.1049, 124.4445



66.5320, 57.1049, 29.9187

Complementary

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



38.2545, 57.1049, 54.3535



36.5821, 23.2758, 20.9791

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.



73.0507, 57.1049, 45.3849



38.2545, 57.1049, 54.3535



69.6251, 57.1049, 101.0082

Square

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



38.2545, 57.1049, 54.3535



51.4710, 57.1049, 128.9250



74.2438, 57.1049, 70.7185



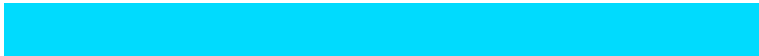
57.1821, 57.1049, 23.6779

Rectangle

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



38.2545, 57.1049, 54.3535



41.6906, 57.1049, 102.8399



74.2438, 57.1049, 70.7185



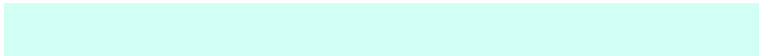
69.1703, 57.1049, 33.9560

Sweetspot

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



38.2561, 57.1071, 54.3548



78.1868, 91.5315, 97.9544



35.7429, 56.6215, 17.6405



16.2312, 19.3392, 20.6048



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.



38.2561, 57.1071, 54.3548



48.8853, 77.0320, 69.2049



35.5466, 44.6486, 75.1537



13.2858, 14.7660, 15.9680



18.8006, 31.5529, 24.9133



1.2534, 2.0583, 1.8005

Inverse Universe

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



36.5821, 23.2758, 20.9791



46.4545, 26.4911, 19.6927



37.5304, 28.1699, 12.0546



13.2008, 13.1094, 14.3189



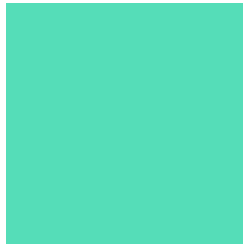
17.8389, 9.1366, 3.5315



1.1916, 0.6063, 0.4179

Previews

White Background



This preview shows how the XYZ color 38.2545, 57.1049, 54.3535 looks on a white background.

Color Contrast Check

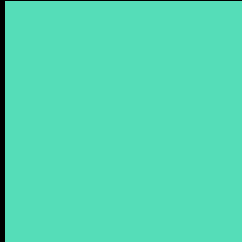
Large Text (above 18pt) WCAG AA × Fail

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 38.2545, 57.1049, 54.3535 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

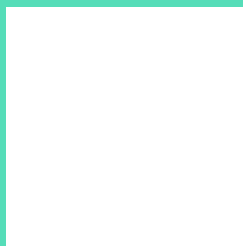
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2545, 57.1049, 54.3535

Background



This preview shows how black text looks on a background with the XYZ color 38.2545, 57.1049, 54.3535.

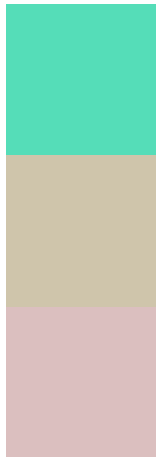


This preview shows how white text looks on a background with the XYZ color 38.2545, 57.1049,

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

38.2545, 57.1049, 54.3535

Protanopia

53.0491, 56.1382, 46.5678

Deuteranopia

57.2482, 56.0833, 57.0981



Tritanopia

44.2056, 56.8029, 84.9781

Trichromacy



Original Color

38.2545, 57.1049, 54.3535



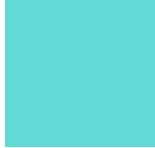
Protanomaly

45.0120, 55.0637, 49.3303



Deuteranomaly

46.7752, 54.4179, 55.6154



Tritanomaly

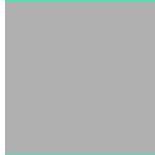
41.9025, 57.0188, 73.0872

Monochromacy



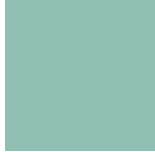
Original Color

38.2545, 57.1049, 54.3535



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.3140, 46.7936, 49.6605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2545, 57.1049, 54.3535 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(85, 221, 184)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 184)  
}
```

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(85, 221, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 184) }
```

Border

The CSS property to change the border of an element to XYZ 38.2545, 57.1049, 54.3535 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(85, 221, 184) }
```


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

```
.border{ border-color:rgb(85, 221, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 221, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 221, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 221, 184);  
box-shadow:4px 4px 4px 4px rgb(85, 221,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2545, 57.1049, 54.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 221, 184) }
```

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

```
.background{ background-color: rgb(85, 221,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor