

Converting Colors

CIELCh(68, 58.610, 152.908)

Have a look what the booklet for
CIELCh(68, 58.610, 152.908)
contains.

CIELCh(68, 58.720, 152.755)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 58.720, 152.755)

Conversions

Conversions Part 1

Format	Color
Hex	37BC73
RGB	55, 188, 115
RGB Percent	22%, 74%, 45%
CMY	0.7848, 0.2631, 0.5493
CMYK	0.71, 0.00, 0.39, 0.26
HSL	147°, 55%, 48%
HSV	147°, 71%, 74%
XYZ	22.6225, 37.9720, 22.3315
YIQ	139.9110, -55.8350, -50.8990

Conversions

Conversions Part 2

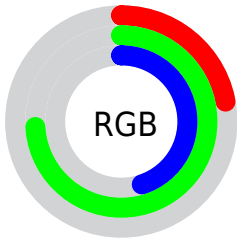
Format	Color
RYB	55, 147, 188
Decimal	3652723
CIELab	68.00, -52.21, 26.88
CIELCh	68, 58.720, 152.755
Yxy	37.9720, 0.2728, 0.4579
Android (android.graphics.Color)	4281842803 (0xFF37BC73)
YUV	139.9110, -12.2811, -74.4669
Hunter-Lab	61.6215, -42.3067, 21.6485

Details

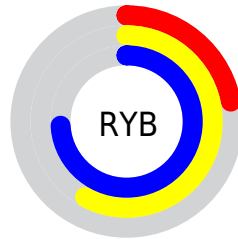
The CIELCh color **68, 58.720, 152.755** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **46, 60.043, 349.430**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 58.362, 152.883**, and **48, 54.366, 149.637** is the 20% darker color. If you saturate the color by 10%, you get **68, 64.830, 150.870**, and if you desaturate by 10%, it is **69, 51.816, 154.433**.

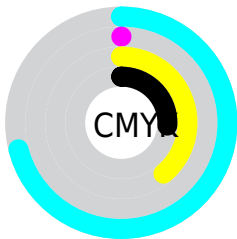
Distribution



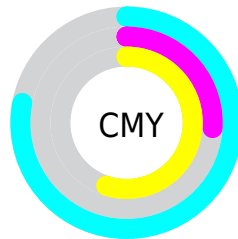
- Red (22%)
- Green (74%)
- Blue (45%)



- Red (22%)
- Yellow (58%)
- Blue (74%)



- Cyan (71%)
- Magenta (0%)
- Yellow (39%)
- Black (26%)





- Cyan (78%)
- Magenta (26%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 58.720, 152.755 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 CIELCh color 68, 58.720, 152.755 by changing the saturation by 10% instead.


 68, 58.720,
152.755


 68, 58.720,
152.755


 100, 58.720,
152.755


 58, 58.720,
152.755


 88, 58.720,
152.755

 48, 58.720,
152.755

 98, 58.720,
152.755

 38, 58.720,
152.755

 28, 58.720,
152.755

 18, 58.720,
152.755

 8, 58.720, 152.755

 0, 58.720, 152.755

■ 68, 58.720,
152.755

■ 68, 58.720,
152.755

■ 68, 64.830,
150.870

■ 69, 51.816,
154.433

■ 67, 70.106,
148.788

■ 69, 44.213,
155.912

■ 67, 74.352,
146.798

■ 70, 36.047,
157.213

■ 72, 27.471,
158.359

■ 73, 18.635,
159.374

■ 74, 9.674, 160.290

■ 76, 0.702, 161.584

■ 78, 8.192, 341.736

■ 80, 16.940,
342.420

Harmonies

Complementary

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



68, 58.720, 152.755



46, 60.043, 349.430

Rectangle

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



68, 58.720, 152.755



68, 58.720, 202.755



68, 58.720, 332.755



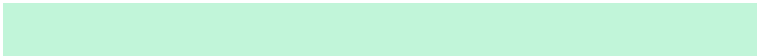
68, 58.720, 22.755

Sweetspot

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



68, 58.721, 152.755



92, 23.329, 159.321



70, 70.418, 124.503



49, 15.770, 159.051



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 58.721, 152.755



86, 82.799, 149.726



70, 37.023, 190.838



39, 5.096, 160.417



57, 64.987, 147.120



9, 17.156, 155.170

Inverse Universe

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



46, 60.043, 349.430



55, 80.872, 353.128



44, 59.876, 27.213



37, 5.148, 341.812



34, 60.069, 356.970



3, 14.360, 348.726

Previews

White Background



This preview shows how the CIELCh color 68, 58.720, 152.755 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 CIELCh color 68, 58.720, 152.755 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](#).

CIELCh 68, 58.720, 152.755

Background



This preview shows how black text looks on a background with the CIELCh color 68, 58.720, 152.755.



This preview shows how white text looks on a background with the CIELCh color 68, 58.720, 152.755.

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
68, 58.720, 152.755

Protanopia
67, 32.711, 95.394

Deuteranopia
68, 25.241, 70.821



Tritanopia
68, 28.382, 213.283

Trichromacy



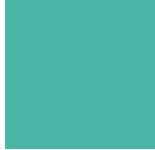
Original Color
68, 58.720, 152.755



Protanomaly
67, 38.096, 131.099



Deuteranomaly
66, 29.260, 128.425



Tritanomaly
68, 34.980, 180.960

Monochromacy



Original Color
68, 58.720, 152.755



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 23.439, 158.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 58.720, 152.755 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(55, 188, 115)` looks like.

```
.text, #text, p{  
    color:rgb(55, 188, 115)  
}
```

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(55, 188, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 188, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 58.720, 152.755 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(55, 188, 115) }
```

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

```
.border{ border-color:rgb(55, 188, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 188, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 188, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 188, 115);  
box-shadow:4px 4px 4px 4px rgb(55, 188,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 58.720, 152.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 188, 115) }
```

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

```
.background{ background-color: rgb(55, 188,  
115) }
```

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