

Converting Colors

CIELCh(55, 33.488, 234.716)

Have a look what the booklet for
CIELCh(55, 33.488, 234.716)
contains.

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Color

CIELCh(55, 33.457, 234.758)

Conversions

Conversions Part 1

Format	Color
Hex	028FB2
RGB	2, 143, 178
RGB Percent	1%, 56%, 70%
CMY	0.9930, 0.4385, 0.3013
CMYK	0.99, 0.20, 0.00, 0.30
HSL	192°, 98%, 35%
HSV	192°, 99%, 70%
XYZ	17.9243, 22.9298, 45.6955
YIQ	104.8310, -95.2710, -19.0070

Conversions

Conversions Part 2

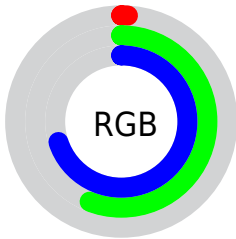
Format	Color
RYB	2, 80, 178
Decimal	167858
CIELab	55.00, -19.31, -27.33
CIELCh	55, 33.457, 234.758
Yxy	22.9298, 0.2071, 0.2649
Android (android.graphics.Color)	4278357938 (0xFF028FB2)
YUV	104.8310, 36.0723, -90.1828
Hunter-Lab	47.8851, -16.9831, -23.0593

Details

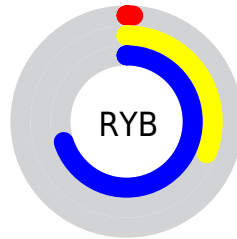
The CIELCh color **55, 33.457, 234.758** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **39, 75.119, 43.396**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 33.441, 234.845**, and **37, 26.911, 245.757** is the 20% darker color. If you saturate the color by 10%, you get **55, 33.541, 235.114**, and if you desaturate by 10%, it is **56, 32.597, 231.222**.

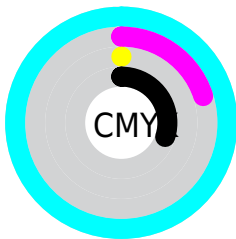
Distribution



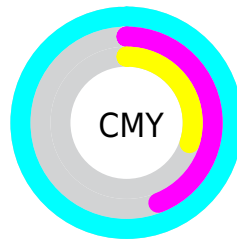
- Red (1%)
- Green (56%)
- Blue (70%)



- Red (1%)
- Yellow (31%)
- Blue (70%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (30%)





- Cyan (99%)
- Magenta (44%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 33.457, 234.758 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 55, 33.457, 234.758 by changing the saturation by 10% instead.


 55, 33.457,
234.758


 55, 33.457,
234.758


 100, 33.457,
234.758


 45, 33.457,
234.758


 75, 33.457,
234.758

 35, 33.457,
234.758

 85, 33.457,
234.758

 25, 33.457,
234.758

 95, 33.457,
234.758

 15, 33.457,
234.758

 5, 33.457, 234.758

 0, 33.457, 234.758

■ 55, 33.457,
234.758

■ 55, 33.457,
234.758

■ 55, 33.541,
235.114

■ 56, 32.597,
231.222

■ 58, 31.277,
228.228

■ 59, 29.325,
225.821

■ 61, 26.701,
223.931

■ 62, 23.417,
222.475

■ 64, 19.525,
221.377

■ 66, 15.100,
220.568

■ 68, 10.223,

219.996

■ 71, 4.977, 219.639

Harmonies

Complementary

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



55, 33.457, 234.758



39, 75.119, 43.396

Rectangle

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



55, 33.457, 234.758



55, 33.457, 284.758



55, 33.457, 54.758



55, 33.457, 104.758

Sweetspot

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



55, 33.456, 234.758



84, 19.254, 220.674



63, 86.303, 138.386



44, 13.033, 220.995



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 33.456, 234.758



70, 40.939, 235.858



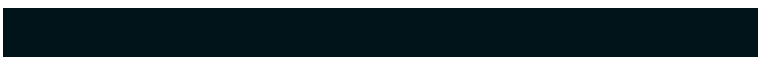
30, 75.690, 297.102



37, 3.133, 219.647



47, 29.945, 234.601



5, 7.510, 228.993

Inverse Universe

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



40, 75.641, 337.927



53, 92.057, 338.238



56, 62.878, 77.505



35, 5.882, 331.016



34, 67.809, 337.888



2, 13.344, 333.496

Previews

White Background



This preview shows how the CIE LCh color 55, 33.457, 234.758 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 33.457, 234.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

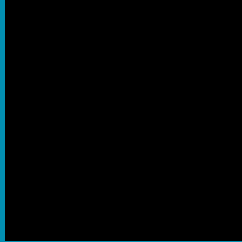
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 33.457, 234.758

Background



This preview shows how black text looks on a background with the CIELCh color 55, 33.457, 234.758.

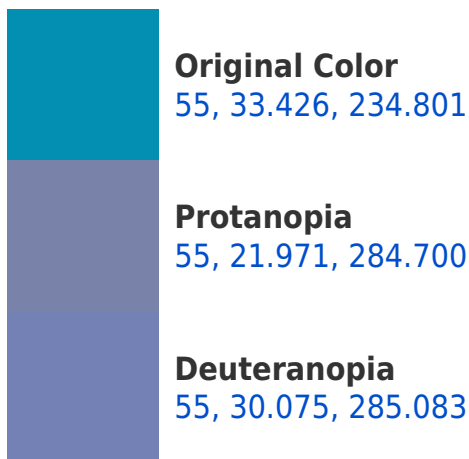


This preview shows how white text looks on a background with the CIELCh color 55, 33.457, 234.758.

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





Tritanopia
55, 31.944, 208.199

Trichromacy



Original Color
55, 33.426, 234.801

Protanomaly
54, 26.467, 252.722

Deuteranomaly
54, 30.600, 259.467

Tritanomaly
55, 31.764, 218.360

Monochromacy



Original Color
55, 33.426, 234.801

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 18.499, 222.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 33.457, 234.758 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(2, 143, 178)` looks like.

```
.text, #text, p{  
    color:rgb(2, 143, 178)  
}
```

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(2, 143, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 143, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 33.457, 234.758 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(2, 143, 178) }
```

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

```
.border{ border-color:rgb(2, 143, 178) }
```

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

Here you see how a box with a 4 pixel rgb(2, 143, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 143, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 143, 178);  
box-shadow:4px 4px 4px 4px rgb(2, 143,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 33.457, 234.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 143, 178) }
```

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

```
.background{ background-color: rgb(2, 143,  
178) }
```

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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