

Converting Colors

CIELCh(53, 34.673, 244.353)

Have a look what the booklet for
CIELCh(53, 34.673, 244.353)
contains.

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Color

CIELCh(53, 34.865, 245.241)

Conversions

Conversions Part 1

Format	Color
Hex	0688B4
RGB	6, 136, 180
RGB Percent	2%, 53%, 71%
CMY	0.9749, 0.4654, 0.2928
CMYK	0.96, 0.24, 0.00, 0.29
HSL	195°, 93%, 37%
HSV	195°, 96%, 71%
XYZ	17.1998, 21.0462, 46.5122
YIQ	102.1460, -91.6040, -13.8760

Conversions

Conversions Part 2

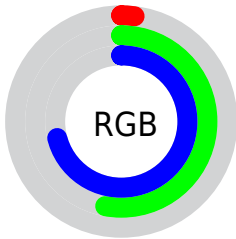
Format	Color
R _Y B	6, 80, 180
Decimal	428212
CIE Lab	53.00, -14.60, -31.66
CIE LCh	53, 34.865, 245.241
Yxy	21.0462, 0.2029, 0.2483
Android (android.graphics.Color)	4278618292 (0xFF0688B4)
YUV	102.1460, 38.3820, -84.3200
Hunter-Lab	45.8761, -13.3603, -27.9988

Details

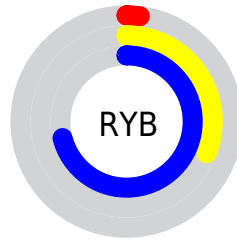
The CIELCh color **53, 34.865, 245.241** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **41, 72.205, 45.371**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 34.952, 245.525**, and **34, 29.824, 258.466** is the 20% darker color. If you saturate the color by 10%, you get **52, 35.378, 246.792**, and if you desaturate by 10%, it is **55, 33.387, 240.978**.

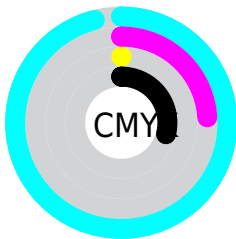
Distribution



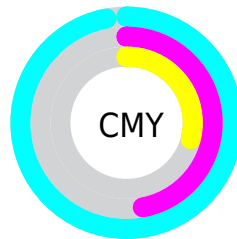
- Red (2%)
- Green (53%)
- Blue (71%)



- Red (2%)
- Yellow (31%)
- Blue (71%)



- Cyan (96%)
- Magenta (24%)
- Yellow (0%)
- Black (29%)





- Cyan (97%)
- Magenta (47%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 34.865, 245.241 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 53, 34.865, 245.241 by changing the saturation by 10% instead.


 53, 34.865,
245.241


 53, 34.865,
245.241


 100, 34.865,
245.241


 43, 34.865,
245.241


 73, 34.865,
245.241

 33, 34.865,
245.241

 83, 34.865,
245.241

 23, 34.865,
245.241

 93, 34.865,
245.241

 13, 34.865,
245.241

 3, 34.865, 245.241

 0, 34.865, 245.241

■ 53, 34.865,
245.241

■ 53, 34.865,
245.241

■ 52, 35.378,
246.792

■ 55, 33.387,
240.978

■ 56, 31.495,
237.372

■ 58, 29.066,
234.425

■ 60, 26.054,
232.068

■ 62, 22.469,
230.211

■ 64, 18.356,
228.766

■ 67, 13.781,
227.656

■ 69, 8.819, 226.820

Harmonies

Complementary

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



53, 34.865, 245.241



41, 72.205, 45.371

Rectangle

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



53, 34.865, 245.241



53, 34.865, 295.241



53, 34.865, 65.241



53, 34.865, 115.241

Sweetspot

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



53, 34.864, 245.242



84, 18.532, 227.962



64, 82.799, 140.339



43, 12.525, 228.430



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



53, 34.864, 245.242



67, 43.297, 247.673



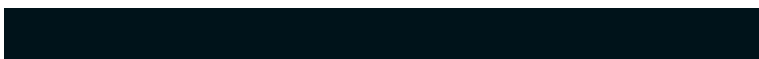
28, 81.849, 299.579



36, 3.065, 226.380



45, 31.226, 246.127



5, 7.491, 237.454

Inverse Universe

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



41, 73.177, 341.026



53, 89.185, 341.828



60, 63.835, 84.094



35, 5.657, 333.023



34, 65.215, 341.321



2, 12.702, 336.294

Previews

White Background



This preview shows how the CIE LCh color 53, 34.865, 245.241 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 53, 34.865, 245.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

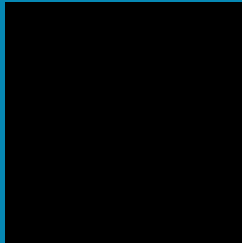
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 34.865, 245.241

Background



This preview shows how black text looks on a background with the CIELCh color 53, 34.865, 245.241.

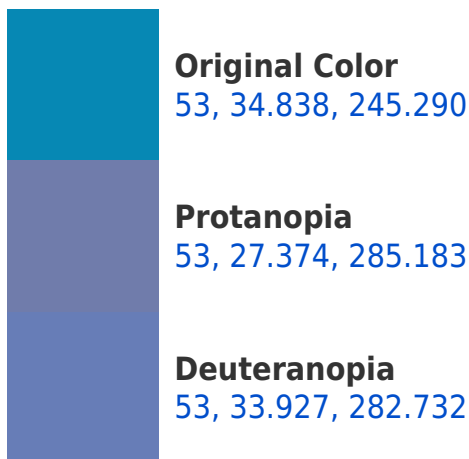


This preview shows how white text looks on a background with the CIELCh color 53, 34.865, 245.241.

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
53, 30.963, 208.673

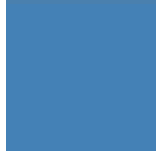
Trichromacy



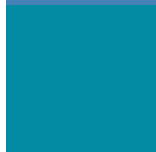
Original Color
53, 34.838, 245.290



Protanomaly
52, 30.074, 262.249



Deuteranomaly
52, 33.950, 264.594



Tritanomaly
53, 31.034, 222.711

Monochromacy



Original Color
53, 34.838, 245.290



Achromatopsia
43, 0.006, 296.813



Achromatomaly
45, 17.889, 230.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 34.865, 245.241 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(6, 136, 180)` looks like.

```
.text, #text, p{  
    color:rgb(6, 136, 180)  
}
```

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(6, 136, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 136, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 34.865, 245.241 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(6, 136, 180) }
```

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

```
.border{ border-color:rgb(6, 136, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 136, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 136, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 136, 180);  
box-shadow:4px 4px 4px 4px rgb(6, 136,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 34.865, 245.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 136, 180) }
```

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

```
.background{ background-color: rgb(6, 136,  
180) }
```

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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