

Converting Colors

CIELCh(55, 58.018, 278.090)

Have a look what the booklet for
CIELCh(55, 58.018, 278.090)
contains.

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Color

CIELCh(55, 58.246, 278.199)

Conversions

Conversions Part 1

Format	Color
Hex	2385E8
RGB	35, 133, 232
RGB Percent	14%, 52%, 91%
CMY	0.8634, 0.4787, 0.0905
CMYK	0.85, 0.43, 0.00, 0.09
HSL	210°, 81%, 52%
HSV	210°, 85%, 91%
XYZ	23.6174, 22.9298, 79.4610
YIQ	114.9840, -90.1870, 10.0130

Conversions

Conversions Part 2

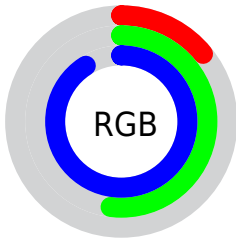
Format	Color
R_{YB}	35, 100, 232
Decimal	2328040
CIE _{Lab}	55.00, 8.31, -57.65
CIE _{LCh}	55, 58.246, 278.199
Yxy	22.9298, 0.1874, 0.1820
Android (android.graphics.Color)	4280518120 (0xFF2385E8)
YUV	114.9840, 57.6889, -70.1460
Hunter-Lab	47.8851, 4.2389, -64.8668

Details

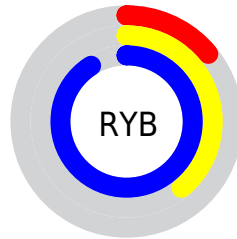
The CIELCh color **55, 58.246, 278.199** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **65, 71.121, 64.051**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 40.946, 265.737**, and **37, 57.005, 286.055** is the 20% darker color. If you saturate the color by 10%, you get **51, 65.017, 282.755**, and if you desaturate by 10%, it is **59, 51.631, 273.922**.

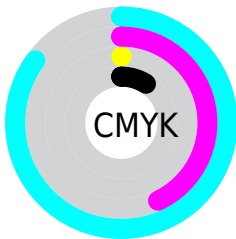
Distribution



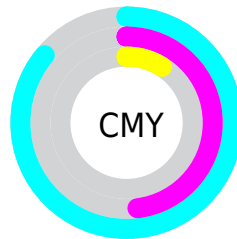
- Red (14%)
- Green (52%)
- Blue (91%)



- Red (14%)
- Yellow (39%)
- Blue (91%)



- Cyan (85%)
- Magenta (43%)
- Yellow (0%)
- Black (9%)





- Cyan (86%)
- Magenta (48%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 58.246, 278.199 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, 58.246, 278.199 by changing the saturation by 10% instead.


 55, 58.246,
278.199

 55, 58.246,
278.199

 100, 58.246,
278.199


 45, 58.246,
278.199


 75, 58.246,
278.199

 35, 58.246,
278.199

 85, 58.246,
278.199

 25, 58.246,
278.199

 95, 58.246,
278.199

 15, 58.246,
278.199

 5, 58.246, 278.199

 0, 58.246, 278.199

■ 55, 58.246,
278.199

■ 55, 58.246,
278.199

■ 51, 65.017,
282.755

■ 59, 51.631,
273.922

■ 50, 68.520,
285.000

■ 63, 45.065,
270.078

■ 67, 38.450,
266.730

■ 71, 31.726,
263.874

■ 76, 24.868,
261.466

■ 80, 17.880,
259.448

■ 85, 10.783,
257.763

■ 90, 3.604, 256.406

Harmonies

Complementary

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



55, 58.246, 278.199



65, 71.121, 64.051

Rectangle

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



55, 58.246, 278.199



55, 58.246, 328.199



55, 58.246, 98.199



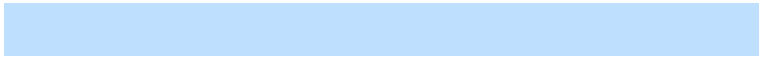
55, 58.246, 148.199

Sweetspot

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



55, 58.245, 278.200



88, 19.326, 259.476



82, 75.665, 152.146



45, 13.155, 260.150



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 58.245, 278.200



54, 74.006, 285.250



33, 114.776, 304.810



46, 4.066, 256.963



38, 55.377, 284.173



9, 19.859, 275.515

Inverse Universe

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



52, 76.158, 357.110



55, 84.604, 3.167



89, 86.064, 103.168



45, 5.844, 344.524



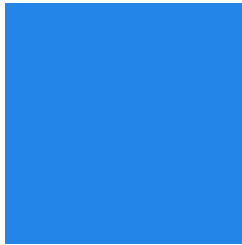
38, 64.836, 2.099



7, 27.589, 355.106

Previews

White Background



This preview shows how the CIE LCh color 55, 58.246, 278.199 looks on a white background.

Color Contrast Check

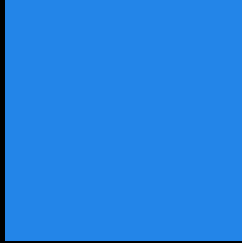
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.246, 278.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

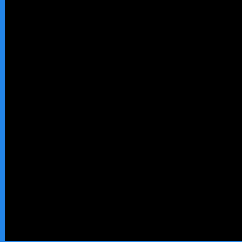
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

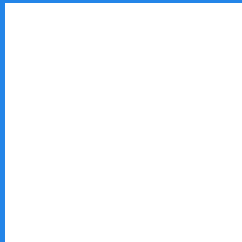
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 58.246, 278.199

Background



This preview shows how black text looks on a background with the CIELCh color 55, 58.246, 278.199.



This preview shows how white text looks on a background with the CIELCh color 55, 58.246, 278.199.

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](#).

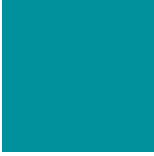
Dichromacy



Original Color
55, 58.246, 278.199

Protanopia
55, 57.595, 286.916

Deuteranopia
55, 58.187, 278.433



Tritanopia
55, 31.781, 208.276

Trichromacy



Original Color
55, 58.246, 278.199

Protanomaly
55, 58.058, 283.117

Deuteranomaly
55, 58.207, 278.353

Tritanomaly
55, 34.863, 243.419

Monochromacy



Original Color
55, 58.246, 278.199

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 23.469, 263.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 58.246, 278.199 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(35, 133, 232)` looks like.

```
.text, #text, p{  
    color:rgb(35, 133, 232)  
}
```

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(35, 133, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 133, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 58.246, 278.199 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(35, 133, 232) }
```

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

```
.border{ border-color:rgb(35, 133, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 133, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 133, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 133, 232);  
box-shadow:4px 4px 4px 4px rgb(35, 133,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 58.246, 278.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 133, 232) }
```

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

```
.background{ background-color: rgb(35, 133,  
232) }
```

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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