

Converting Colors

CIELCh(58, 30.566, 236.914)

Have a look what the booklet for
CIELCh(58, 30.566, 236.914)
contains.

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Color

CIELCh(58, 30.496, 236.032)

Conversions

Conversions Part 1

Format	Color
Hex	3696B7
RGB	54, 150, 183
RGB Percent	21%, 59%, 72%
CMY	0.7889, 0.4123, 0.2829
CMYK	0.71, 0.18, 0.00, 0.28
HSL	195°, 55%, 46%
HSV	195°, 71%, 72%
XYZ	20.9282, 25.9610, 48.6301
YIQ	125.0580, -67.8090, -10.0890

Conversions

Conversions Part 2

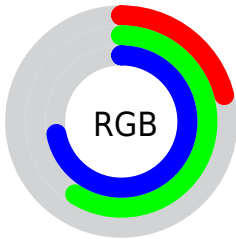
Format	Color
R_{YB}	54, 109, 183
Decimal	3577527
CIE _{Lab}	58.00, -17.04, -25.29
CIE _{LCh}	58, 30.496, 236.032
Yxy	25.9610, 0.2191, 0.2718
Android (android.graphics.Color)	4281767607 (0xFF3696B7)
YUV	125.0580, 28.5654, -62.3179
Hunter-Lab	50.9519, -15.8480, -20.9219




Details

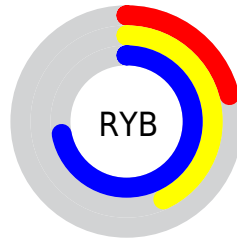
The CIELCh color `58, 30.496, 236.032` is a dark color, and the websafe version is hex `0099CC`. A complement of this color would be `48, 51.950, 45.349`, and the grayscale version is `52, 0.007, 296.813`.




A 20% lighter version of the original color is `78, 30.449, 236.365`, and `39, 27.245, 242.379` is the 20% darker color. If you saturate the color by 10%, you get `56, 32.735, 239.281`, and if you desaturate by 10%, it is `60, 27.682, 233.409`.

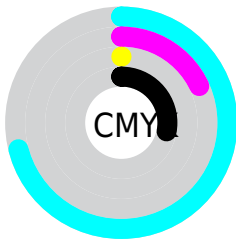
Distribution







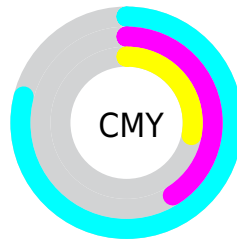
-  Red (21%)
-  Green (59%)
-  Blue (72%)






-  Red (21%)
-  Yellow (43%)
-  Blue (72%)



-  Cyan (71%)
-  Magenta (18%)
-  Yellow (0%)
-  Black (28%)



-  Cyan (79%)
-  Magenta (41%)
-  Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 30.496, 236.032 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 58, 30.496, 236.032 by changing the saturation by 10% instead.

■ 58, 30.496,
236.032

■ 58, 30.496,
236.032

■ 100, 30.496,
236.032

■ 48, 30.496,
236.032

■ 78, 30.496,
236.032

■ 38, 30.496,
236.032

■ 88, 30.496,
236.032

■ 28, 30.496,
236.032

■ 98, 30.496,
236.032

■ 18, 30.496,
236.032

■ 8, 30.496, 236.032

■ 0, 30.496, 236.032

■ 58, 30.496,
236.032

■ 58, 30.496,
236.032

■ 56, 32.735,
239.281

■ 60, 27.682,
233.409

■ 54, 34.477,
243.210

■ 62, 24.284,
231.328

■ 53, 35.864,
247.380

■ 64, 20.333,
229.700

■ 67, 15.888,
228.440

■ 69, 11.023,
227.479

■ 72, 5.811, 226.777

■ 74, 0.321, 227.662

■ 77, 5.383, 45.623

Harmonies

Complementary

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



58, 30.496, 236.032



48, 51.950, 45.349

Rectangle

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



58, 30.496, 236.032



58, 30.496, 286.032



58, 30.496, 56.032



58, 30.496, 106.032

Sweetspot

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



58, 30.495, 236.032



87, 13.872, 227.545



66, 67.715, 144.831



46, 9.390, 227.788



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



58, 30.495, 236.032



70, 41.077, 241.493



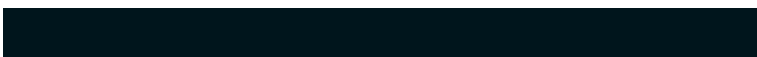
39, 58.854, 291.464



38, 3.135, 226.710



45, 31.710, 246.731



6, 8.541, 238.387

Inverse Universe

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



45, 65.702, 338.021



55, 87.970, 339.816



64, 53.286, 88.245



36, 5.780, 333.126



35, 65.876, 341.517



3, 14.616, 336.878

Previews

White Background



This preview shows how the CIE LCh color 58, 30.496, 236.032 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 CIE LCh color 58, 30.496, 236.032 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 58, 30.496, 236.032

Background



This preview shows how black text looks on a background with the CIELCh color 58, 30.496, 236.032.

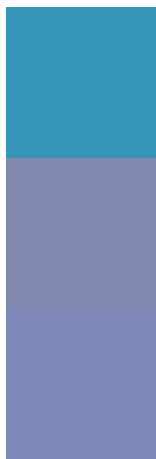


This preview shows how white text looks on a background with the CIELCh color 58, 30.496, 236.032.

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

58, 30.496, 236.032

Protanopia

58, 21.141, 286.037

Deuteranopia

58, 27.992, 285.929



Tritanopia
58, 30.110, 210.168

Trichromacy



Original Color
58, 30.496, 236.032

Protanomaly
57, 23.135, 258.918

Deuteranomaly
58, 27.079, 264.354

Tritanomaly
58, 29.633, 218.767

Monochromacy



Original Color
58, 30.496, 236.032

Achromatopsia
52, 0.007, 296.813

Achromatomaly
54, 13.877, 228.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 30.496, 236.032 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(54, 150, 183)` looks like.

```
.text, #text, p{  
    color:rgb(54, 150, 183)  
}
```

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(54, 150, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 150, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 30.496, 236.032 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(54, 150, 183) }
```

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

```
.border{ border-color:rgb(54, 150, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 150, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 150, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 150, 183);  
box-shadow:4px 4px 4px 4px rgb(54, 150,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 30.496, 236.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 150, 183) }
```

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

```
.background{ background-color: rgb(54, 150,  
183) }
```

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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