

Converting Colors

CIELCh(51, 64.620, 283.392)

Have a look what the booklet for
CIELCh(51, 64.620, 283.392)
contains.

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Color

CIELCh(51, 64.631, 283.342)

Conversions

Conversions Part 1

Format	Color
Hex	1778E6
RGB	23, 120, 230
RGB Percent	9%, 47%, 90%
CMY	0.9086, 0.5302, 0.0990
CMYK	0.90, 0.48, 0.00, 0.10
HSL	212°, 82%, 50%
HSV	212°, 90%, 90%
XYZ	21.3008, 19.2686, 77.2828
YIQ	103.5370, -93.1220, 13.6460

Conversions

Conversions Part 2

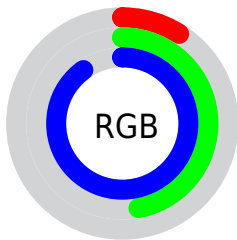
Format	Color
R _Y B	23, 89, 230
Decimal	1538278
CIE Lab	51.00, 14.91, -62.89
CIE LCh	51, 64.631, 283.342
Yxy	19.2686, 0.1807, 0.1635
Android (android.graphics.Color)	4279728358 (0xFF1778E6)
YUV	103.5370, 62.3463, -70.6309
Hunter-Lab	43.8960, 9.8000, -73.6580

Details

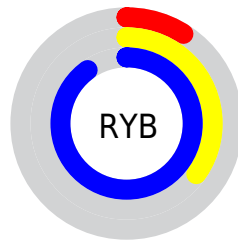
The CIELCh color **51, 64.631, 283.342** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **65, 73.329, 65.611**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 47.319, 274.555**, and **34, 63.036, 290.810** is the 20% darker color. If you saturate the color by 10%, you get **47, 72.126, 287.701**, and if you desaturate by 10%, it is **55, 57.365, 279.039**.

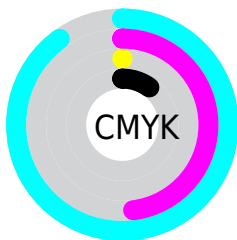
Distribution



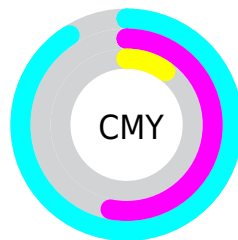
- Red (9%)
- Green (47%)
- Blue (90%)



- Red (9%)
- Yellow (35%)
- Blue (90%)



- Cyan (90%)
- Magenta (48%)
- Yellow (0%)
- Black (10%)





- Cyan (91%)
- Magenta (53%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 64.631, 283.342 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 51, 64.631, 283.342 by changing the saturation by 10% instead.


 51, 64.631,
283.342


 51, 64.631,
283.342


 100, 64.631,
283.342


 41, 64.631,
283.342


 71, 64.631,
283.342

 31, 64.631,
283.342

 81, 64.631,
283.342

 21, 64.631,
283.342

 91, 64.631,
283.342

 11, 64.631,
283.342

 1, 64.631, 283.342

 0, 64.631, 283.342

■ 51, 64.631,
283.342

■ 51, 64.631,
283.342

■ 47, 72.126,
287.701

■ 55, 57.365,
279.039

■ 47, 72.239,
287.761

■ 59, 50.252,
275.062

■ 63, 43.202,
271.524

■ 68, 36.139,
268.461

■ 72, 29.017,
265.850

■ 77, 21.822,
263.644

■ 82, 14.559,
261.789

■ 86, 7.244, 260.240

Harmonies

Complementary

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



51, 64.631, 283.342



65, 73.329, 65.611

Rectangle

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



51, 64.631, 283.342



51, 64.631, 333.342



51, 64.631, 103.342



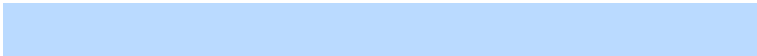
51, 64.631, 153.342

Sweetspot

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



51, 64.631, 283.344



86, 21.498, 263.111



81, 76.518, 151.951



44, 14.468, 263.794



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 64.631, 283.344



52, 78.631, 288.025



31, 118.114, 305.535



46, 4.172, 260.185



37, 58.797, 286.996



8, 20.929, 278.647

Inverse Universe

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



50, 76.384, 1.442



55, 84.426, 6.152



88, 87.341, 103.989



45, 5.728, 346.218



38, 64.628, 5.003



7, 27.321, 357.430

Previews

White Background



This preview shows how the CIE LCh color 51, 64.631, 283.342 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 51, 64.631, 283.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

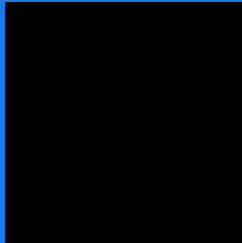
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

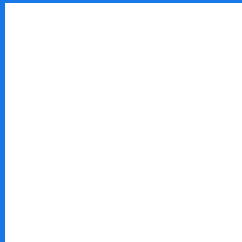
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 64.631, 283.342

Background



This preview shows how black text looks on a background with the CIELCh color 51, 64.631, 283.342.



This preview shows how white text looks on a background with the CIELCh color 51, 64.631, 283.342.

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

51, 64.642, 283.293

Protanopia

51, 64.163, 287.170

Deuteranopia

51, 55.822, 276.909



Tritanopia
51, 30.076, 206.799

Trichromacy



Original Color
51, 64.642, 283.293

Protanomaly
51, 64.389, 285.416

Deuteranomaly
51, 58.889, 279.321

Tritanomaly
51, 34.770, 249.106

Monochromacy



Original Color
51, 64.642, 283.293

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 25.680, 268.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 64.631, 283.342 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(23, 120, 230)` looks like.

```
.text, #text, p{  
    color:rgb(23, 120, 230)  
}
```

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(23, 120, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 120, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 64.631, 283.342 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(23, 120, 230) }
```

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

```
.border{ border-color:rgb(23, 120, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 120, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 120, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 120, 230);  
box-shadow:4px 4px 4px 4px rgb(23, 120,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 64.631, 283.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 120, 230) }
```

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

```
.background{ background-color: rgb(23, 120,  
230) }
```

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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