

Converting Colors

CIELCh(50, 66.140, 284.820)

Have a look what the booklet for
CIELCh(50, 66.140, 284.820)
contains.

CIELCh(50, 66.426, 284.970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 66.426, 284.970)

Conversions

Conversions Part 1

Format	Color
Hex	1B74E5
RGB	27, 116, 229
RGB Percent	11%, 45%, 90%
CMY	0.8960, 0.5445, 0.1013
CMYK	0.88, 0.49, 0.00, 0.10
HSL	213°, 80%, 50%
HSV	213°, 88%, 90%
XYZ	20.8690, 18.4187, 76.7135
YIQ	102.2710, -89.3170, 16.2750

Conversions

Conversions Part 2

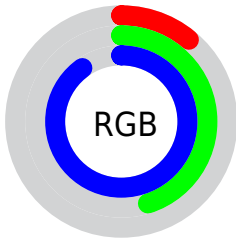
Format	Color
R _Y B	27, 89, 229
Decimal	1799397
CIE Lab	50.00, 17.16, -64.17
CIE LCh	50, 66.426, 284.970
Yxy	18.4187, 0.1799, 0.1588
Android (android.graphics.Color)	4279989477 (0xFF1B74E5)
YUV	102.2710, 62.4774, -66.0127
Hunter-Lab	42.9170, 11.6936, -75.9382

Details

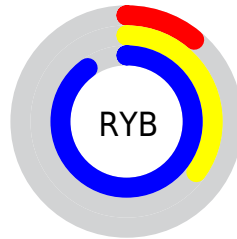
The CIELCh color **50, 66.426, 284.970** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **66, 72.111, 68.188**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.636, 278.105**, and **32, 65.135, 292.296** is the 20% darker color. If you saturate the color by 10%, you get **46, 74.390, 289.218**, and if you desaturate by 10%, it is **54, 58.682, 280.813**.

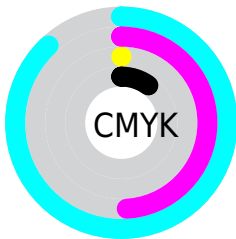
Distribution



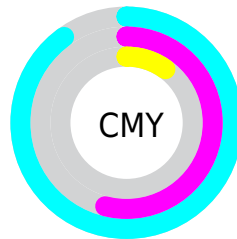
- Red (11%)
- Green (45%)
- Blue (90%)



- Red (11%)
- Yellow (35%)
- Blue (90%)



- Cyan (88%)
- Magenta (49%)
- Yellow (0%)
- Black (10%)





- Cyan (90%)
- Magenta (54%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 66.426, 284.970 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 50, 66.426, 284.970 by changing the saturation by 10% instead.


 50, 66.426,
284.970


 50, 66.426,
284.970


 100, 66.426,
284.970


 40, 66.426,
284.970


 70, 66.426,
284.970

 30, 66.426,
284.970


 80, 66.426,
284.970


 20, 66.426,
284.970

 90, 66.426,
284.970

 10, 66.426,
284.970

 0, 66.426, 284.970

 50, 66.426,
284.970

 50, 66.426,
284.970

■ 46, 74.390,
289.218

■ 54, 58.682,
280.813

■ 46, 75.666,
289.846

■ 58, 51.117,
276.971

■ 63, 43.654,
273.551

■ 67, 36.225,
270.585

■ 72, 28.786,
268.050

■ 77, 21.321,
265.903

■ 82, 13.831,
264.091

■ 87, 6.329, 262.577

■ 92, 1.169, 80.899

Harmonies

Complementary

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



50, 66.426, 284.970



66, 72.111, 68.188

Rectangle

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



50, 66.426, 284.970



50, 66.426, 334.970



50, 66.426, 104.970



50, 66.426, 154.970

Sweetspot

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



50, 66.426, 284.972



86, 22.085, 265.656



81, 73.043, 154.082



44, 14.876, 266.338



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 66.426, 284.972



51, 82.540, 290.107



31, 116.476, 305.563



46, 4.270, 262.719



36, 61.695, 289.117



8, 21.830, 280.937

Inverse Universe

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



50, 75.583, 3.071



54, 84.484, 8.635



88, 86.800, 105.912



45, 5.637, 347.669



38, 64.605, 7.426



7, 27.140, 359.297

Previews

White Background



This preview shows how the CIE LCh color 50, 66.426, 284.970 looks on a white background.

Color Contrast Check

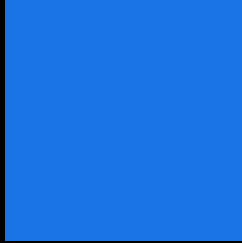
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 66.426, 284.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

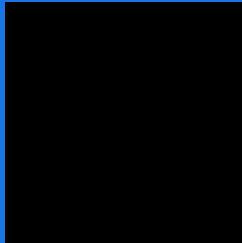
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

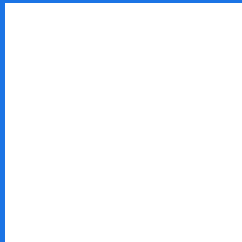
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 66.426, 284.970

Background



This preview shows how black text looks on a background with the CIELCh color 50, 66.426, 284.970.



This preview shows how white text looks on a background with the CIELCh color 50, 66.426, 284.970.

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

50, 66.414, 285.022

Protanopia

50, 66.131, 287.494

Deuteranopia

50, 54.326, 276.330



Tritanopia
50, 29.576, 207.020

Trichromacy



Original Color
50, 66.414, 285.022

Protanomaly
50, 66.248, 286.334

Deuteranomaly
50, 58.975, 280.058

Tritanomaly
49, 34.454, 250.094

Monochromacy



Original Color
50, 66.414, 285.022

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 25.979, 270.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 66.426, 284.970 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(27, 116, 229)` looks like.

```
.text, #text, p{  
    color:rgb(27, 116, 229)  
}
```

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(27, 116, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 116, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 66.426, 284.970 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(27, 116, 229) }
```

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

```
.border{ border-color:rgb(27, 116, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 116, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 116, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 116, 229);  
box-shadow:4px 4px 4px 4px rgb(27, 116,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 66.426, 284.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 116, 229) }
```

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

```
.background{ background-color: rgb(27, 116,  
229) }
```

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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