

Converting Colors

CIELCh(50, 65.093, 284.343)

Have a look what the booklet for
CIELCh(50, 65.093, 284.343)
contains.

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Color

CIELCh(50, 64.747, 284.134)

Conversions

Conversions Part 1

Format	Color
Hex	1A75E3
RGB	26, 117, 227
RGB Percent	10%, 46%, 89%
CMY	0.8970, 0.5421, 0.1109
CMYK	0.88, 0.49, 0.00, 0.11
HSL	213°, 79%, 50%
HSV	213°, 88%, 89%
XYZ	20.5904, 18.4187, 74.9368
YIQ	102.3310, -89.5460, 14.9180

Conversions

Conversions Part 2

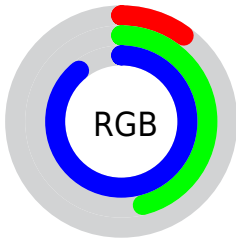
Format	Color
R_{YB}	26, 89, 227
Decimal	1734115
CIE _{Lab}	50.00, 15.81, -62.79
CIE _{LCh}	50, 64.747, 284.134
Yxy	18.4187, 0.1807, 0.1616
Android (android.graphics.Color)	4279924195 (0xFF1A75E3)
YUV	102.3310, 61.4618, -66.9423
Hunter-Lab	42.9170, 10.5350, -73.4837

Details

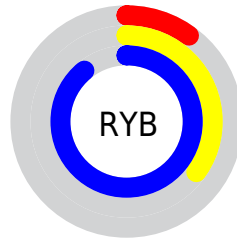
The CIELCh color **50, 64.747, 284.134** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **65, 71.563, 67.382**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.190, 277.274**, and **33, 63.309, 291.507** is the 20% darker color. If you saturate the color by 10%, you get **46, 72.452, 288.432**, and if you desaturate by 10%, it is **54, 57.261, 279.941**.

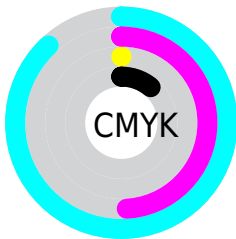
Distribution



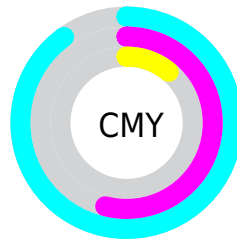
- Red (10%)
- Green (46%)
- Blue (89%)



- Red (10%)
- Yellow (35%)
- Blue (89%)



- Cyan (88%)
- Magenta (49%)
- Yellow (0%)
- Black (11%)





- Cyan (90%)
- Magenta (54%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 64.747, 284.134 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, 64.747, 284.134 by changing the saturation by 10% instead.


 50, 64.747,
284.134


 50, 64.747,
284.134


 100, 64.747,
284.134


 40, 64.747,
284.134


 70, 64.747,
284.134

 30, 64.747,
284.134


 80, 64.747,
284.134


 20, 64.747,
284.134

 90, 64.747,
284.134

 10, 64.747,
284.134

 0, 64.747, 284.134

 50, 64.747,
284.134

 50, 64.747,
284.134

■ 46, 72.452,
288.432

■ 54, 57.261,
279.941

■ 46, 73.695,
289.071

■ 58, 49.938,
276.074

■ 63, 42.697,
272.640

■ 67, 35.470,
269.665

■ 72, 28.215,
267.127

■ 76, 20.916,
264.980

■ 81, 13.578,
263.170

■ 86, 6.215, 261.659

■ 91, 1.156, 79.976

Harmonies

Complementary

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



50, 64.747, 284.134



65, 71.563, 67.382

Rectangle

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



50, 64.747, 284.134



50, 64.747, 334.134



50, 64.747, 104.134



50, 64.747, 154.134

Sweetspot

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



50, 64.747, 284.136



86, 21.864, 264.737



80, 73.693, 153.174



44, 14.723, 265.420



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, 64.747, 284.136



51, 81.097, 289.364



31, 115.616, 305.454



45, 4.156, 261.799



36, 59.915, 288.311



7, 20.527, 279.203

Inverse Universe

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



50, 75.047, 2.238



55, 84.441, 7.722



87, 86.002, 104.967



44, 5.566, 347.129



37, 63.912, 6.479



6, 26.008, 358.250

Previews

White Background



This preview shows how the CIE LCh color 50, 64.747, 284.134 looks on a white background.

Color Contrast Check

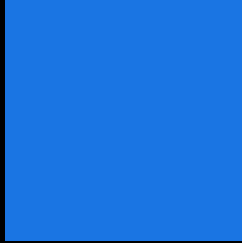
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.747, 284.134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

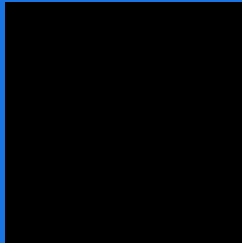
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

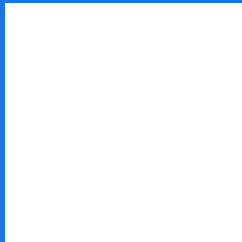
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 64.747, 284.134

Background



This preview shows how black text looks on a background with the CIELCh color 50, 64.747, 284.134.



This preview shows how white text looks on a background with the CIELCh color 50, 64.747, 284.134.

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, 64.759, 284.079

Protanopia

50, 64.413, 287.373

Deuteranopia

50, 54.326, 276.330



Tritanopia
50, 29.576, 207.020

Trichromacy



Original Color
50, 64.759, 284.079

Protanomaly
50, 64.567, 285.985

Deuteranomaly
50, 58.450, 279.759

Tritanomaly
49, 34.454, 250.094

Monochromacy



Original Color
50, 64.759, 284.079

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 25.545, 269.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 64.747, 284.134 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(26, 117, 227)` looks like.

```
.text, #text, p{  
    color:rgb(26, 117, 227)  
}
```

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(26, 117, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 117, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 64.747, 284.134 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(26, 117, 227) }
```

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

```
.border{ border-color:rgb(26, 117, 227) }
```

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

Here you see how a box with a 4 pixel rgb(26, 117, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 117, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 117, 227);  
box-shadow:4px 4px 4px 4px rgb(26, 117,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 64.747, 284.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 117, 227) }
```

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

```
.background{ background-color: rgb(26, 117,  
227) }
```

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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