

Converting Colors

CIELCh(49, 64.560, 285.101)

Have a look what the booklet for
CIELCh(49, 64.560, 285.101)
contains.

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Color

CIELCh(49, 64.288, 284.925)

Conversions

Conversions Part 1

Format	Color
Hex	2072DF
RGB	32, 114, 223
RGB Percent	13%, 45%, 87%
CMY	0.8733, 0.5540, 0.1268
CMYK	0.85, 0.49, 0.00, 0.13
HSL	214°, 75%, 50%
HSV	214°, 85%, 87%
XYZ	19.8661, 17.5941, 71.9326
YIQ	101.9080, -83.8610, 16.5150

Conversions

Conversions Part 2

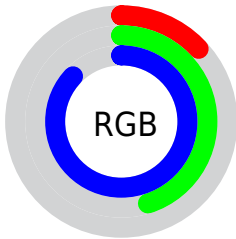
Format	Color
R_{YB}	32, 89, 223
Decimal	2126559
CIE _{Lab}	49.00, 16.56, -62.12
CIE _{LCh}	49, 64.288, 284.925
Yxy	17.5941, 0.1816, 0.1608
Android (android.graphics.Color)	4280316639 (0xFF2072DF)
YUV	101.9080, 59.6984, -61.3093
Hunter-Lab	41.9453, 11.1369, -72.3156




Details

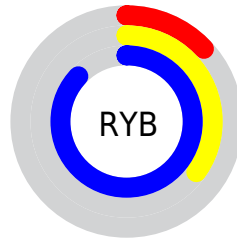
The CIELCh color **49, 64.288, 284.925** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **66, 68.715, 70.204**, and the grayscale version is **43, 0.006, 296.813**.




A 20% lighter version of the original color is **68, 50.645, 279.253**, and **31, 63.010, 292.016** is the 20% darker color. If you saturate the color by 10%, you get **45, 72.291, 289.105**, and if you desaturate by 10%, it is **53, 56.494, 280.914**.

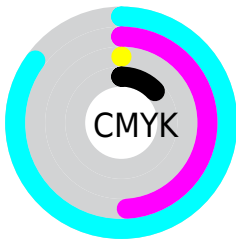
Distribution







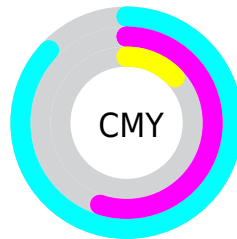
-  Red (13%)
-  Green (45%)
-  Blue (87%)






-  Red (13%)
-  Yellow (35%)
-  Blue (87%)



-  Cyan (85%)
-  Magenta (49%)
-  Yellow (0%)
-  Black (13%)



-  Cyan (87%)
-  Magenta (55%)
-  Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 64.288, 284.925 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 49, 64.288, 284.925 by changing the saturation by 10% instead.


 49, 64.288,
284.925


 49, 64.288,
284.925


 100, 64.288,
284.925

 39, 64.288,
284.925

 69, 64.288,
284.925


 29, 64.288,
284.925

 79, 64.288,
284.925

 19, 64.288,
284.925

 89, 64.288,
284.925

 9, 64.288, 284.925

 99, 64.288,
284.925

 0, 64.288, 284.925

 49, 64.288,

 49, 64.288,

284.925

■ 45, 72.291,
289.105

■ 44, 75.969,
290.909

284.925

■ 53, 56.494,
280.914

■ 57, 48.874,
277.242

■ 62, 41.361,
273.993

■ 67, 33.895,
271.183

■ 71, 26.441,
268.785

■ 76, 18.986,
266.752

■ 81, 11.532,
265.034

■ 86, 4.089, 263.616

Harmonies

Complementary

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



49, 64.288, 284.925



66, 68.715, 70.204

Rectangle

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



49, 64.288, 284.925



49, 64.288, 334.925



49, 64.288, 104.925



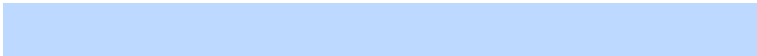
49, 64.288, 154.925

Sweetspot

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



49, 64.288, 284.926



86, 21.613, 266.884



79, 68.708, 155.704



44, 14.653, 267.563



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 64.288, 284.926



50, 84.841, 291.237



32, 111.087, 305.333



45, 4.251, 264.135



34, 62.662, 290.224



7, 21.275, 281.038

Inverse Universe

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



49, 72.861, 3.109



54, 84.604, 10.081



85, 83.818, 106.866



44, 5.483, 348.533



37, 63.965, 8.781



6, 25.846, 359.895

Previews

White Background



This preview shows how the CIE LCh color 49, 64.288, 284.925 looks on a white 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

Black Background



This preview shows how the CIE LCh color 49, 64.288, 284.925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

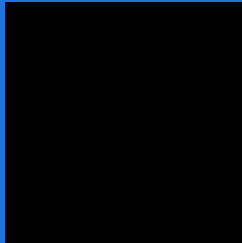
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

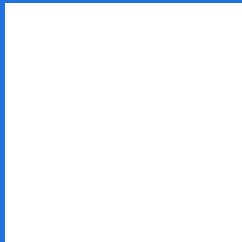
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 64.288, 284.925

Background



This preview shows how black text looks on a background with the CIELCh color 49, 64.288, 284.925.



This preview shows how white text looks on a background with the CIELCh color 49, 64.288, 284.925.

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





Tritanopia
49, 29.306, 205.943

Trichromacy



Original Color
49, 64.302, 284.857

Protanomaly
49, 64.133, 286.222

Deuteranomaly
49, 57.483, 279.911

Tritanomaly
48, 33.787, 250.240

Monochromacy



Original Color
49, 64.302, 284.857

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 25.210, 271.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 64.288, 284.925 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(32, 114, 223)` looks like.

```
.text, #text, p{  
    color:rgb(32, 114, 223)  
}
```

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(32, 114, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 114, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 64.288, 284.925 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(32, 114, 223) }
```

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

```
.border{ border-color:rgb(32, 114, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 114, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 114, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 114, 223);  
box-shadow:4px 4px 4px 4px rgb(32, 114,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 64.288, 284.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 114, 223) }
```

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

```
.background{ background-color: rgb(32, 114,  
223) }
```

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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