

Converting Colors

CIELCh(49, 59.493, 286.133)

Have a look what the booklet for
CIELCh(49, 59.493, 286.133)
contains.

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Color

CIELCh(49, 59.484, 286.058)

Conversions

Conversions Part 1

Format	Color
Hex	3B71D6
RGB	59, 113, 214
RGB Percent	23%, 44%, 84%
CMY	0.7686, 0.5569, 0.1608
CMYK	0.72, 0.47, 0.00, 0.16
HSL	219°, 65%, 54%
HSV	219°, 72%, 84%
XYZ	19.8453, 17.5941, 65.9656
YIQ	108.3680, -64.6050, 19.9630

Conversions

Conversions Part 2

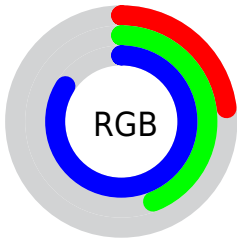
Format	Color
R_{YB}	59, 99, 214
Decimal	3895766
CIE _{Lab}	49.00, 16.45, -57.16
CIE _{LCh}	49, 59.484, 286.058
Yxy	17.5941, 0.1919, 0.1701
Android (android.graphics.Color)	4282085846 (0xFF3B71D6)
YUV	108.3680, 52.0766, -43.2957
Hunter-Lab	41.9453, 11.0483, -63.8813

Details

The CIELCh color **49, 59.484, 286.058** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **69, 58.832, 79.795**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 50.604, 283.068**, and **30, 58.432, 290.617** is the 20% darker color. If you saturate the color by 10%, you get **45, 68.447, 289.663**, and if you desaturate by 10%, it is **54, 50.759, 282.748**.

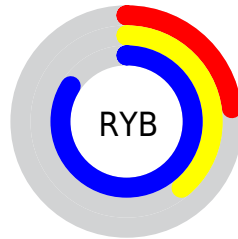
Distribution



Red (23%)

Green (44%)

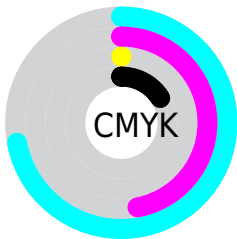
Blue (84%)



Red (23%)

Yellow (39%)

Blue (84%)

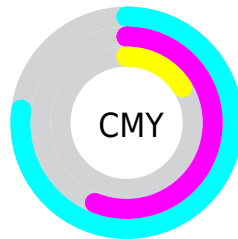


Cyan (72%)

Magenta (47%)

Yellow (0%)

Black (16%)



Cyan (77%)


Magenta (56%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 59.484, 286.058 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, 59.484, 286.058 by changing the saturation by 10% instead.


 49, 59.484,
286.058


 49, 59.484,
286.058


 100, 59.484,
286.058


 39, 59.484,
286.058

 69, 59.484,
286.058


 29, 59.484,
286.058

 79, 59.484,
286.058

 19, 59.484,
286.058

 89, 59.484,
286.058

 9, 59.484, 286.058

 99, 59.484,
286.058

 0, 59.484, 286.058

 49, 59.484,

 49, 59.484,

286.058

286.058

■ 45, 68.447,
289.663

■ 54, 50.759,
282.748

■ 40, 77.586,
293.399

■ 59, 42.254,
279.808

■ 38, 84.514,
296.109

■ 64, 33.927,
277.255

■ 69, 25.743,
275.064

■ 74, 17.682,
273.194

■ 79, 9.733, 271.606

■ 84, 1.894, 270.347

■ 90, 5.833, 88.980

■ 95, 13.446, 87.983

Harmonies

Complementary

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



49, 59.484, 286.058



69, 58.832, 79.795

Rectangle

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



49, 59.484, 286.058



49, 59.484, 336.058



49, 59.484, 106.058



49, 59.484, 156.058

Sweetspot

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



49, 59.484, 286.059



87, 19.995, 273.159



77, 54.685, 163.561



45, 13.460, 273.640



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, 59.484, 286.059



50, 83.792, 291.694



37, 92.214, 304.626



42, 4.441, 271.180



30, 70.295, 295.520



5, 20.850, 283.530

Inverse Universe

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



50, 63.565, 4.900



56, 81.606, 11.013



82, 74.371, 111.395



42, 5.035, 353.523



36, 63.592, 16.278



5, 22.461, 3.658

Previews

White Background



This preview shows how the CIE LCh color 49, 59.484, 286.058 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, 59.484, 286.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

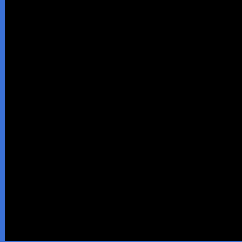
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

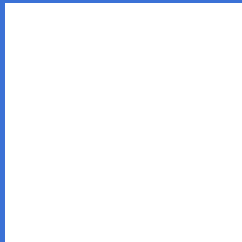
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 59.484, 286.058

Background



This preview shows how black text looks on a background with the CIELCh color 49, 59.484, 286.058.



This preview shows how white text looks on a background with the CIELCh color 49, 59.484, 286.058.

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


49, 59.484, 286.058

Protanopia

49, 59.417, 287.042

Deuteranopia

49, 54.390, 277.049



Tritanopia
49, 29.242, 207.173

Trichromacy



Original Color
49, 59.484, 286.058

Protanomaly
49, 59.464, 286.741

Deuteranomaly
49, 56.328, 279.714

Tritanomaly
48, 32.746, 249.194

Monochromacy



Original Color
49, 59.484, 286.058

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 22.682, 275.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 59.484, 286.058 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(59, 113, 214)` looks like.

```
.text, #text, p{  
    color:rgb(59, 113, 214)  
}
```

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(59, 113, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 113, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 59.484, 286.058 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(59, 113, 214) }
```

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

```
.border{ border-color:rgb(59, 113, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 113, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 113, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 113, 214);  
box-shadow:4px 4px 4px 4px rgb(59, 113,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 59.484, 286.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 113, 214) }
```

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

```
.background{ background-color: rgb(59, 113,  
214) }
```

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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