

Converting Colors

CIELCh(48, 51.372, 286.959)

Have a look what the booklet for
CIELCh(48, 51.372, 286.959)
contains.

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Color

CIELCh(48, 51.408, 286.982)

Conversions

Conversions Part 1

Format	Color
Hex	4C6EC5
RGB	76, 110, 197
RGB Percent	30%, 43%, 77%
CMY	0.7008, 0.5677, 0.2264
CMYK	0.61, 0.44, 0.00, 0.23
HSL	223°, 51%, 54%
HSV	223°, 61%, 77%
XYZ	18.7135, 16.7945, 55.2388
YIQ	109.7520, -48.1910, 19.8490

Conversions

Conversions Part 2

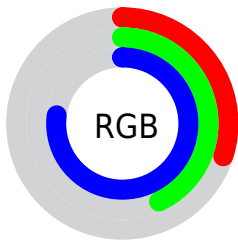
Format	Color
R_{YB}	76, 103, 197
Decimal	5009093
CIE _{Lab}	48.00, 15.01, -49.17
CIE _{LCh}	48, 51.408, 286.982
Yxy	16.7945, 0.2062, 0.1851
Android (android.graphics.Color)	4283199173 (0xFF4C6EC5)
YUV	109.7520, 43.0133, -29.6005
Hunter-Lab	40.9810, 9.7932, -51.2309

Details

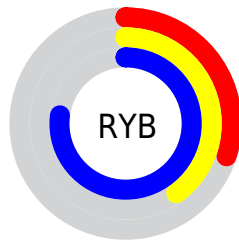
The CIELCh color **48, 51.408, 286.982** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **69, 48.945, 87.153**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.378, 287.125**, and **28, 51.599, 288.441** is the 20% darker color. If you saturate the color by 10%, you get **43, 60.643, 290.037**, and if you desaturate by 10%, it is **53, 42.450, 284.256**.

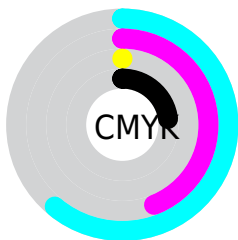
Distribution



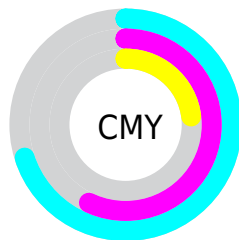
- Red (30%)
- Green (43%)
- Blue (77%)



- Red (30%)
- Yellow (40%)
- Blue (77%)



- Cyan (61%)
- Magenta (44%)
- Yellow (0%)
- Black (23%)



- Cyan (70%)
- Magenta (57%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 51.408, 286.982 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 48, 51.408, 286.982 by changing the saturation by 10% instead.

■ 48, 51.408,
286.982

■ 48, 51.408,
286.982

■ 100, 51.408,
286.982

■ 38, 51.408,
286.982

■ 68, 51.408,
286.982

■ 28, 51.408,
286.982

■ 78, 51.408,
286.982

■ 18, 51.408,
286.982

■ 88, 51.408,
286.982

■ 8, 51.408, 286.982

■ 98, 51.408,
286.982

■ 0, 51.408, 286.982

■ 48, 51.408,

■ 48, 51.408,

286.982

286.982

■ 43, 60.643,
290.037

■ 53, 42.450,
284.256

■ 39, 70.115,
293.334

■ 58, 33.753,
281.878

■ 35, 79.639,
296.702

■ 63, 25.286,
279.831

■ 31, 87.651,
299.429

■ 69, 17.023,
278.079

■ 74, 8.945, 276.587

■ 79, 1.042, 275.468

■ 84, 6.694, 94.128

■ 89, 14.268, 93.177

■ 94, 21.682, 92.338

Harmonies

Complementary

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



48, 51.408, 286.982



69, 48.945, 87.153

Rectangle

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



48, 51.408, 286.982



48, 51.408, 336.982



48, 51.408, 106.982



48, 51.408, 156.982

Sweetspot

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



48, 51.407, 286.983



88, 17.641, 277.598



72, 42.556, 170.193



45, 12.298, 278.064



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 51.407, 286.983



54, 77.918, 291.271



41, 72.494, 304.538



39, 4.501, 276.326



26, 75.098, 298.972



3, 17.408, 283.139

Inverse Universe

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



50, 51.535, 6.785



59, 74.265, 11.221



76, 61.813, 114.892



39, 4.573, 358.149



34, 63.193, 22.258



4, 16.443, 5.186

Previews

White Background



This preview shows how the CIELCh color 48, 51.408, 286.982 looks on a white background.

Color Contrast Check

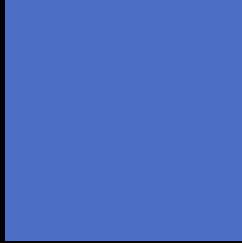
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 51.408, 286.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

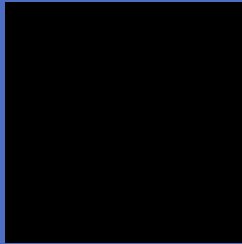
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 51.408, 286.982

Background



This preview shows how black text looks on a background with the CIELCh color 48, 51.408, 286.982.



This preview shows how white text looks on a background with the CIELCh color 48, 51.408, 286.982.

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


48, 51.408, 286.982

Protanopia

48, 51.424, 286.221

Deuteranopia

48, 48.865, 278.390



Tritanopia
48, 23.780, 211.656

Trichromacy



Original Color
48, 51.408, 286.982

Protanomaly
48, 51.395, 286.444

Deuteranomaly
48, 49.654, 281.319

Tritanomaly
48, 27.572, 253.428

Monochromacy



Original Color
48, 51.408, 286.982

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 19.292, 280.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 51.408, 286.982 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(76, 110, 197)` looks like.

```
.text, #text, p{  
    color:rgb(76, 110, 197)  
}
```

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(76, 110, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 110, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 51.408, 286.982 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(76, 110, 197) }
```

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

```
.border{ border-color:rgb(76, 110, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 110, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 110, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 110, 197);  
box-shadow:4px 4px 4px 4px rgb(76, 110,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 51.408, 286.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 110, 197) }
```

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

```
.background{ background-color: rgb(76, 110,  
197) }
```

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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