

Converting Colors

CIELCh(48, 58.371, 288.320)

Have a look what the booklet for
CIELCh(48, 58.371, 288.320)
contains.

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Color

CIELCh(48, 58.346, 288.249)

Conversions

Conversions Part 1

Format	Color
Hex	456DD0
RGB	69, 109, 208
RGB Percent	27%, 43%, 82%
CMY	0.7287, 0.5721, 0.1838
CMYK	0.67, 0.48, 0.00, 0.18
HSL	223°, 60%, 54%
HSV	223°, 67%, 82%
XYZ	19.3490, 16.7945, 61.9841
YIQ	108.3260, -55.6190, 22.3090

Conversions

Conversions Part 2

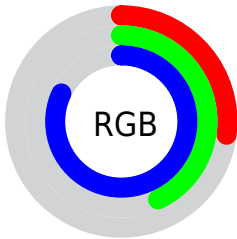
Format	Color
R _Y B	69, 100, 208
Decimal	4550096
CIE Lab	48.00, 18.27, -55.41
CIE LCh	48, 58.346, 288.249
Yxy	16.7945, 0.1972, 0.1711
Android (android.graphics.Color)	4282740176 (0xFF456DD0)
YUV	108.3260, 49.1393, -34.4889
Hunter-Lab	40.9810, 12.5613, -60.9898

Details

The CIELCh color **48, 58.346, 288.249** 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 **71, 55.086, 85.783**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.583, 286.664**, and **29, 58.212, 291.425** is the 20% darker color. If you saturate the color by 10%, you get **43, 68.029, 291.492**, and if you desaturate by 10%, it is **53, 48.939, 285.305**.

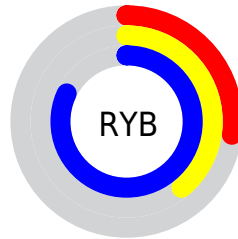
Distribution



Red (27%)

Green (43%)

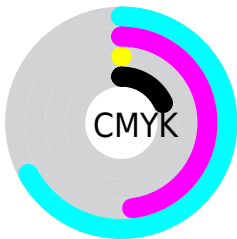
Blue (82%)



Red (27%)

Yellow (39%)

Blue (82%)

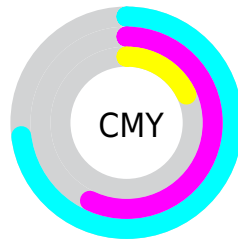


Cyan (67%)

Magenta (48%)

Yellow (0%)

Black (18%)



Cyan (73%)

Magenta (57%)

Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 58.346, 288.249 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, 58.346, 288.249 by changing the saturation by 10% instead.

 48, 58.346,
288.249


 48, 58.346,
288.249


 100, 58.346,
288.249

 38, 58.346,
288.249

 68, 58.346,
288.249

 28, 58.346,
288.249

 78, 58.346,
288.249

 18, 58.346,
288.249

 88, 58.346,
288.249

 8, 58.346, 288.249

 98, 58.346,
288.249

 0, 58.346, 288.249

 48, 58.346,

 48, 58.346,

288.249

■ 43, 68.029,
291.492

■ 39, 77.888,
294.899

■ 35, 87.621,
298.247

■ 34, 90.675,
299.226

288.249

■ 53, 48.939,
285.305

■ 58, 39.811,
282.708

■ 64, 30.931,
280.462

■ 69, 22.270,
278.535

■ 74, 13.803,
276.891

■ 80, 5.518, 275.500

■ 85, 2.596, 94.161

■ 91, 10.544, 93.173

■ 96, 18.175, 93.974

Harmonies

Complementary

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



48, 58.346, 288.249



71, 55.086, 85.783

Rectangle

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



48, 58.346, 288.249



48, 58.346, 338.249



48, 58.346, 108.249



48, 58.346, 158.249

Sweetspot

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



48, 58.346, 288.250



87, 19.486, 277.432



76, 48.049, 168.077



45, 13.334, 277.898



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, 58.346, 288.250



51, 84.069, 292.904



40, 82.796, 304.848



41, 4.655, 275.843



27, 76.256, 298.727



4, 20.561, 285.059

Inverse Universe

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



50, 58.059, 7.890



57, 78.461, 13.096



79, 68.965, 113.938



41, 4.782, 357.668



35, 64.476, 21.800



4, 20.450, 6.176

Previews

White Background



This preview shows how the CIELCh color 48, 58.346, 288.249 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, 58.346, 288.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

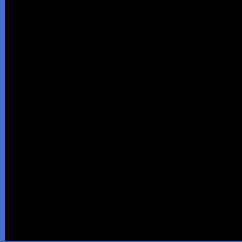
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 58.346, 288.249

Background



This preview shows how black text looks on a background with the CIELCh color 48, 58.346, 288.249.



This preview shows how white text looks on a background with the CIELCh color 48, 58.346, 288.249.

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, 58.346, 288.249

Protanopia

48, 58.436, 286.998

Deuteranopia

48, 53.942, 277.422



Tritanopia
48, 28.534, 208.754

Trichromacy



Original Color
48, 58.346, 288.249

Protanomaly
48, 58.388, 287.316

Deuteranomaly
48, 55.839, 280.386

Tritanomaly
47, 31.792, 249.967

Monochromacy



Original Color
48, 58.346, 288.249

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 21.765, 280.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 58.346, 288.249 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(69, 109, 208)` looks like.

```
.text, #text, p{  
    color:rgb(69, 109, 208)  
}
```

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(69, 109, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 109, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 58.346, 288.249 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(69, 109, 208) }
```

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

```
.border{ border-color:rgb(69, 109, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 109, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 109, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 109, 208);  
box-shadow:4px 4px 4px 4px rgb(69, 109,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 58.346, 288.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 109, 208) }
```

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

```
.background{ background-color: rgb(69, 109,  
208) }
```

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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