

Converting Colors

CIELCh(48, 53.380, 285.147)

Have a look what the booklet for
CIELCh(48, 53.380, 285.147)
contains.

CIELCh(48, 53.322, 285.270)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 53.322, 285.270)

Conversions

Conversions Part 1

Format	Color
Hex	426FC9
RGB	66, 111, 201
RGB Percent	26%, 44%, 79%
CMY	0.7403, 0.5641, 0.2111
CMYK	0.67, 0.45, 0.00, 0.21
HSL	220°, 56%, 52%
HSV	220°, 67%, 79%
XYZ	18.5267, 16.7945, 57.6341
YIQ	107.8050, -55.7100, 18.4500

Conversions

Conversions Part 2

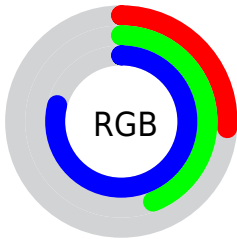
Format	Color
R _Y B	66, 100, 201
Decimal	4353993
CIE _{Lab}	48.00, 14.04, -51.44
CIE _{LCh}	48, 53.322, 285.270
Y _{xy}	16.7945, 0.1993, 0.1807
Android (android.graphics.Color)	4282544073 (0xFF426FC9)
YUV	107.8050, 45.9451, -36.6630
Hunter-Lab	40.9810, 8.9793, -54.6963

Details

The CIELCh color **48, 53.322, 285.270** 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 **67, 52.512, 82.018**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.609, 284.626**, and **29, 52.705, 288.704** is the 20% darker color. If you saturate the color by 10%, you get **44, 61.982, 288.661**, and if you desaturate by 10%, it is **53, 44.898, 282.213**.

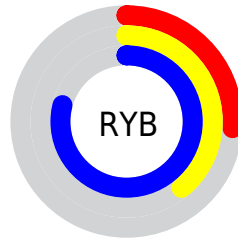
Distribution



Red (26%)

Green (44%)

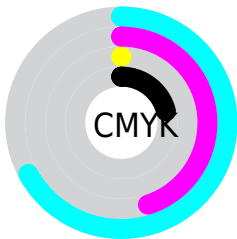
Blue (79%)



Red (26%)

Yellow (39%)

Blue (79%)

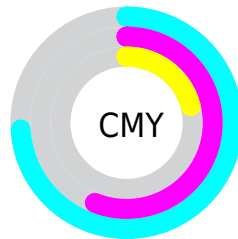


Cyan (67%)

Magenta (45%)

Yellow (0%)

Black (21%)



Cyan (74%)


Magenta (56%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 53.322, 285.270 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, 53.322, 285.270 by changing the saturation by 10% instead.


 48, 53.322,
285.270


 48, 53.322,
285.270


 100, 53.322,
285.270


 38, 53.322,
285.270

 68, 53.322,
285.270

 28, 53.322,
285.270

 78, 53.322,
285.270

 18, 53.322,
285.270

 88, 53.322,
285.270

 8, 53.322, 285.270

 98, 53.322,
285.270

 0, 53.322, 285.270

 48, 53.322,

 48, 53.322,

285.270

■ 44, 61.982,
288.661

■ 39, 70.853,
292.265

■ 36, 79.784,
295.870

■ 34, 82.371,
296.836

285.270

■ 53, 44.898,
282.213

■ 58, 36.685,
279.528

■ 62, 28.645,
277.210

■ 67, 20.751,
275.225

■ 72, 12.988,
273.532

■ 77, 5.347, 272.104

■ 82, 2.173, 90.696

■ 87, 9.572, 89.700

■ 92, 16.848, 88.769

Harmonies

Complementary

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



48, 53.322, 285.270



67, 52.512, 82.018

Rectangle

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



48, 53.322, 285.270



48, 53.322, 335.270



48, 53.322, 105.270



48, 53.322, 155.270

Sweetspot

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



48, 53.322, 285.271



88, 18.478, 274.044



73, 48.470, 165.673



45, 12.634, 274.523



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, 53.322, 285.271



53, 78.353, 290.098



38, 81.060, 304.170



39, 4.248, 272.407



28, 69.405, 296.275



3, 16.660, 280.961

Inverse Universe

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



49, 56.917, 4.372



57, 78.060, 9.249



77, 67.039, 112.359



39, 4.696, 354.537



34, 61.757, 17.502



4, 16.666, 2.546

Previews

White Background



This preview shows how the CIE LCh color 48, 53.322, 285.270 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, 53.322, 285.270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

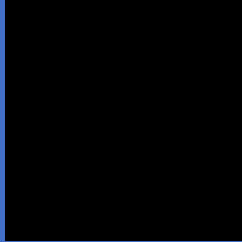
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 53.322, 285.270

Background



This preview shows how black text looks on a background with the CIELCh color 48, 53.322, 285.270.



This preview shows how white text looks on a background with the CIELCh color 48, 53.322, 285.270.

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, 53.322, 285.270

Protanopia

48, 53.197, 286.747

Deuteranopia

48, 51.323, 278.225



Tritanopia
48, 28.004, 209.033

Trichromacy



Original Color
48, 53.322, 285.270

Protanomaly
48, 53.252, 286.339

Deuteranomaly
48, 51.588, 280.191

Tritanomaly
48, 30.526, 247.475

Monochromacy



Original Color
48, 53.322, 285.270

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 20.168, 276.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 53.322, 285.270 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(66, 111, 201)` looks like.

```
.text, #text, p{  
    color:rgb(66, 111, 201)  
}
```

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(66, 111, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 111, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 53.322, 285.270 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(66, 111, 201) }
```

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

```
.border{ border-color:rgb(66, 111, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 111, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 111, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 111, 201);  
box-shadow:4px 4px 4px 4px rgb(66, 111,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 53.322, 285.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 111, 201) }
```

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

```
.background{ background-color: rgb(66, 111,  
201) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor