

Converting Colors

CIELCh(49, 54.208, 283.077)

Have a look what the booklet for
CIELCh(49, 54.208, 283.077)
contains.

CIELCh(49, 53.951, 283.005)	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(49, 53.951, 283.005)

Conversions

Conversions Part 1

Format	Color
Hex	3A73CE
RGB	58, 115, 206
RGB Percent	23%, 45%, 81%
CMY	0.7729, 0.5493, 0.1925
CMYK	0.72, 0.44, 0.00, 0.19
HSL	217°, 60%, 52%
HSV	217°, 72%, 81%
XYZ	18.9922, 17.5941, 60.7359
YIQ	108.3310, -63.1830, 16.2170

Conversions

Conversions Part 2

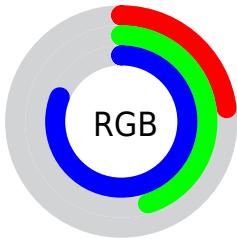
Format	Color
R_{YB}	58, 99, 206
Decimal	3830734
CIE _{Lab}	49.00, 12.14, -52.57
CIE _{LCh}	49, 53.951, 283.005
Yxy	17.5941, 0.1951, 0.1808
Android (android.graphics.Color)	4282020814 (0xFF3A73CE)
YUV	108.3310, 48.1508, -44.1403
Hunter-Lab	41.9453, 7.4177, -56.4891

Details

The CIELCh color **49, 53.951, 283.005** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **66, 55.892, 76.675**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.673, 281.197**, and **30, 52.972, 287.848** is the 20% darker color. If you saturate the color by 10%, you get **45, 61.962, 286.724**, and if you desaturate by 10%, it is **53, 46.136, 279.624**.

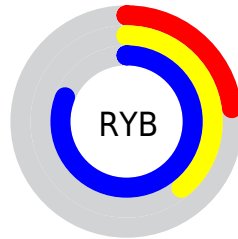
Distribution



Red (23%)

Green (45%)

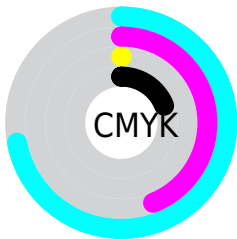
Blue (81%)



Red (23%)

Yellow (39%)

Blue (81%)

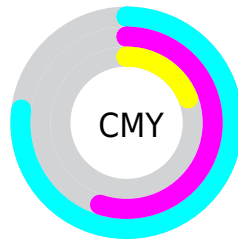


Cyan (72%)

Magenta (44%)

Yellow (0%)

Black (19%)



Cyan (77%)

Magenta (55%)

Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 53.951, 283.005 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, 53.951, 283.005 by changing the saturation by 10% instead.


 49, 53.951,
283.005


 49, 53.951,
283.005


 100, 53.951,
283.005


 39, 53.951,
283.005

 69, 53.951,
283.005

 29, 53.951,
283.005

 79, 53.951,
283.005

 19, 53.951,
283.005

 89, 53.951,
283.005

 9, 53.951, 283.005

 99, 53.951,
283.005

 0, 53.951, 283.005

 49, 53.951,

 49, 53.951,

283.005

283.005

■ 45, 61.962,
286.724

■ 53, 46.136,
279.624

■ 41, 70.175,
290.634

■ 58, 38.474,
276.641

■ 38, 76.944,
293.722

■ 63, 30.918,
274.062

■ 67, 23.438,
271.855

■ 72, 16.021,
269.977

■ 77, 8.665, 268.386

■ 82, 1.372, 267.186

■ 87, 5.848, 85.747

■ 91, 12.990, 84.751

Harmonies

Complementary

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



49, 53.951, 283.005



66, 55.892, 76.675

Rectangle

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



49, 53.951, 283.005



49, 53.951, 333.005



49, 53.951, 103.005



49, 53.951, 153.005

Sweetspot

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



49, 53.951, 283.006



87, 19.163, 270.045



74, 55.468, 160.469



45, 12.890, 270.534



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, 53.951, 283.006



53, 77.776, 288.741



36, 89.008, 303.676



40, 4.102, 268.032



30, 64.410, 293.092



4, 17.285, 279.381

Inverse Universe

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



49, 61.635, 1.745



56, 80.974, 7.286



79, 71.363, 108.927



40, 4.939, 351.133



35, 61.547, 12.618



4, 18.994, 0.368

Previews

White Background



This preview shows how the CIE LCh color 49, 53.951, 283.005 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, 53.951, 283.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

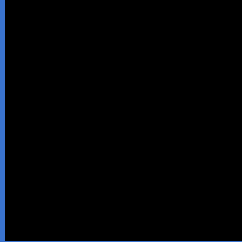
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

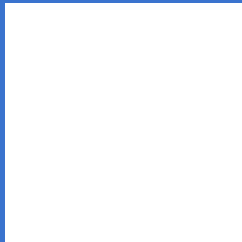
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 53.951, 283.005

Background



This preview shows how black text looks on a background with the CIELCh color 49, 53.951, 283.005.



This preview shows how white text looks on a background with the CIELCh color 49, 53.951, 283.005.

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, 53.951, 283.005

Protanopia

49, 53.572, 286.484

Deuteranopia

49, 52.362, 277.913



Tritanopia
49, 29.191, 208.408

Trichromacy



Original Color
49, 53.951, 283.005

Protanomaly
49, 53.701, 285.016

Deuteranomaly
49, 52.692, 279.488

Tritanomaly
49, 31.532, 245.035

Monochromacy



Original Color
49, 53.951, 283.005

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 20.543, 272.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 53.951, 283.005 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(58, 115, 206)` looks like.

```
.text, #text, p{  
    color:rgb(58, 115, 206)  
}
```

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(58, 115, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 115, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 53.951, 283.005 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(58, 115, 206) }
```

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

```
.border{ border-color:rgb(58, 115, 206) }
```

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

Here you see how a box with a 4 pixel rgb(58, 115, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 115, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 115, 206);  
box-shadow:4px 4px 4px 4px rgb(58, 115,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 53.951, 283.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 115, 206) }
```

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

```
.background{ background-color: rgb(58, 115,  
206) }
```

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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