

Converting Colors

CIELCh(49, 52.314, 291.050)

Have a look what the booklet for
CIELCh(49, 52.314, 291.050)
contains.

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Color

CIELCh(49, 52.738, 291.156)

Conversions

Conversions Part 1

Format	Color
Hex	5B6EC8
RGB	91, 110, 200
RGB Percent	36%, 43%, 78%
CMY	0.6424, 0.5681, 0.2150
CMYK	0.54, 0.45, 0.00, 0.22
HSL	230°, 50%, 57%
HSV	230°, 54%, 78%
XYZ	20.3676, 17.5941, 57.0676
YIQ	114.5790, -40.2140, 23.9620

Conversions

Conversions Part 2

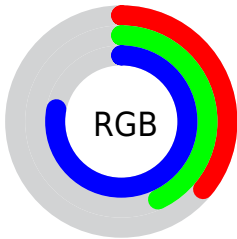
Format	Color
R_{YB}	91, 107, 200
Decimal	5992136
CIE _{Lab}	49.00, 19.03, -49.18
CIE _{LCh}	49, 52.738, 291.156
Yxy	17.5941, 0.2143, 0.1851
Android (android.graphics.Color)	4284182216 (0xFF5B6EC8)
YUV	114.5790, 42.1126, -20.6788
Hunter-Lab	41.9453, 13.2709, -51.3038

Details

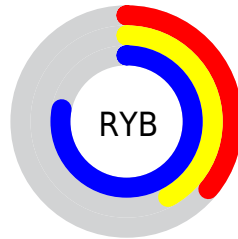
The CIELCh color **49, 52.738, 291.156** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **74, 47.938, 95.607**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 51.633, 291.037**, and **29, 52.504, 291.005** is the 20% darker color. If you saturate the color by 10%, you get **43, 63.549, 293.752**, and if you desaturate by 10%, it is **55, 42.290, 288.855**.

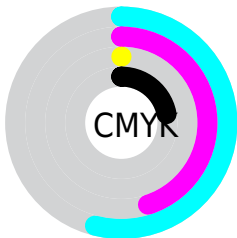
Distribution



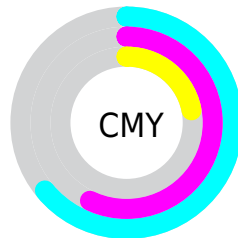
- Red (36%)
- Green (43%)
- Blue (78%)



- Red (36%)
- Yellow (42%)
- Blue (78%)



- Cyan (54%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)





- Cyan (64%)
- Magenta (57%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 52.738, 291.156 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, 52.738, 291.156 by changing the saturation by 10% instead.


 49, 52.738,
291.156


 49, 52.738,
291.156


 100, 52.738,
291.156


 39, 52.738,
291.156

 69, 52.738,
291.156


 29, 52.738,
291.156

 79, 52.738,
291.156

 19, 52.738,
291.156

 89, 52.738,
291.156

 9, 52.738, 291.156

 99, 52.738,
291.156

 0, 52.738, 291.156

 49, 52.738,

 49, 52.738,

291.156

■ 43, 63.549,
293.752

■ 38, 74.612,
296.567

■ 33, 85.577,
299.442

■ 30, 95.701,
302.120

■ 28, 100.593,
303.363

291.156

■ 55, 42.290,
288.855

■ 61, 32.216,
286.857

■ 66, 22.491,
285.144

■ 72, 13.087,
283.682

■ 78, 3.975, 282.452

■ 84, 4.864, 101.309

■ 90, 13.447,
100.399

■ 95, 21.789, 99.597

■ 99, 27.651,

Harmonies

Complementary

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



49, 52.738, 291.156



74, 47.938, 95.607

Rectangle

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



49, 52.738, 291.156



49, 52.738, 341.156



49, 52.738, 111.156



49, 52.738, 161.156

Sweetspot

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



49, 52.737, 291.157



89, 17.685, 283.925



74, 36.118, 179.180



46, 11.978, 284.219



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, 52.737, 291.157



54, 78.211, 294.157



47, 64.727, 306.465



39, 5.071, 283.027



22, 85.428, 303.012



2, 18.913, 286.843

Inverse Universe

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



53, 46.393, 13.195



61, 67.432, 16.472



76, 57.441, 119.508



39, 4.385, 6.037



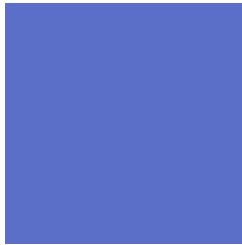
34, 67.358, 30.794



3, 16.115, 10.459

Previews

White Background



This preview shows how the CIELCh color 49, 52.738, 291.156 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, 52.738, 291.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

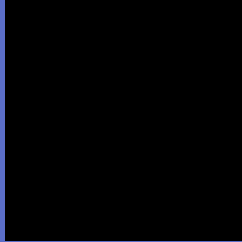
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 52.738, 291.156

Background



This preview shows how black text looks on a background with the CIELCh color 49, 52.738, 291.156.



This preview shows how white text looks on a background with the CIELCh color 49, 52.738, 291.156.

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, 52.738, 291.156

Protanopia

49, 52.988, 286.479

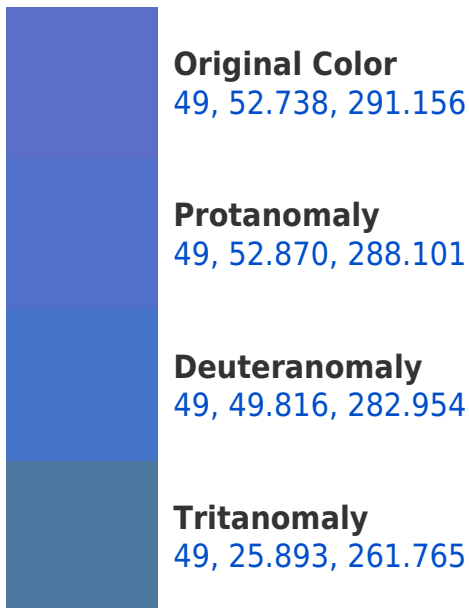
Deuteranopia

49, 48.600, 278.941



Tritanopia
49, 19.403, 215.393

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 52.738, 291.156 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(91, 110, 200)` looks like.

```
.text, #text, p{  
    color:rgb(91, 110, 200)  
}
```

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(91, 110, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 110, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 52.738, 291.156 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(91, 110, 200) }
```

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

```
.border{ border-color:rgb(91, 110, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 110, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 110, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 110, 200);  
box-shadow:4px 4px 4px 4px rgb(91, 110,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 52.738, 291.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 110, 200) }
```

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

```
.background{ background-color: rgb(91, 110,  
200) }
```

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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