

Converting Colors

CIELCh(48, 52.272, 284.408)

Have a look what the booklet for
CIELCh(48, 52.272, 284.408)
contains.

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Color

CIELCh(48, 52.207, 284.304)

Conversions

Conversions Part 1

Format	Color
Hex	4170C8
RGB	65, 112, 200
RGB Percent	25%, 44%, 78%
CMY	0.7465, 0.5619, 0.2169
CMYK	0.68, 0.44, 0.00, 0.22
HSL	219°, 55%, 52%
HSV	219°, 68%, 78%
XYZ	18.3081, 16.7945, 56.7294
YIQ	107.9790, -56.2600, 17.4040

Conversions

Conversions Part 2

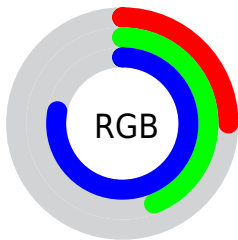
Format	Color
R_{YB}	65, 100, 200
Decimal	4288712
CIE _{Lab}	48.00, 12.90, -50.59
CIE _{LCh}	48, 52.207, 284.304
Yxy	16.7945, 0.1994, 0.1829
Android (android.graphics.Color)	4282478792 (0xFF4170C8)
YUV	107.9790, 45.3664, -37.6926
Hunter-Lab	40.9810, 8.0271, -53.3875

Details

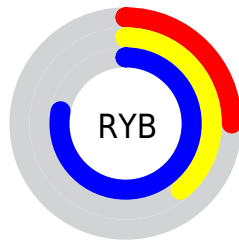
The CIELCh color **48, 52.207, 284.304** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **66, 52.206, 80.595**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.103, 283.853**, and **29, 51.438, 287.858** is the 20% darker color. If you saturate the color by 10%, you get **44, 60.559, 287.760**, and if you desaturate by 10%, it is **53, 44.074, 281.190**.

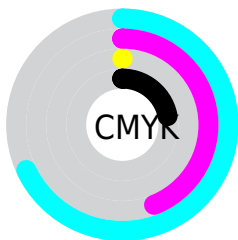
Distribution



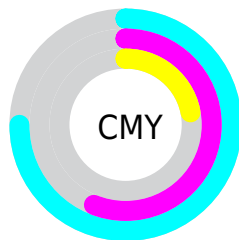
- Red (25%)
- Green (44%)
- Blue (78%)



- Red (25%)
- Yellow (39%)
- Blue (78%)



- Cyan (68%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)




- Cyan (75%)
- Magenta (56%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 52.207, 284.304 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, 52.207, 284.304 by changing the saturation by 10% instead.


 48, 52.207,
284.304


 48, 52.207,
284.304


 100, 52.207,
284.304

 38, 52.207,
284.304

 68, 52.207,
284.304

 28, 52.207,
284.304

 78, 52.207,
284.304

 18, 52.207,
284.304

 88, 52.207,
284.304

 8, 52.207, 284.304

 98, 52.207,
284.304

 0, 52.207, 284.304

 48, 52.207,

 48, 52.207,

284.304

284.304

■ 44, 60.559,
287.760

■ 53, 44.074,
281.190

■ 40, 69.122,
291.439

■ 57, 36.129,
278.457

■ 36, 77.779,
295.120

■ 62, 28.332,
276.098

■ 35, 79.825,
295.922

■ 67, 20.659,
274.080

■ 72, 13.095,
272.359

■ 77, 5.634, 270.907

■ 82, 1.723, 89.446

■ 87, 8.975, 88.466

■ 91, 16.117, 87.524

Harmonies

Complementary

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



48, 52.207, 284.304



66, 52.206, 80.595

Rectangle

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



48, 52.207, 284.304



48, 52.207, 334.304



48, 52.207, 104.304



48, 52.207, 154.304

Sweetspot

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



48, 52.207, 284.305



88, 18.145, 272.789



73, 49.269, 164.451



45, 12.403, 273.272



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, 52.207, 284.305



53, 77.446, 289.412



38, 81.324, 303.906



39, 4.176, 271.140



28, 67.662, 295.362



4, 16.425, 280.219

Inverse Universe

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



48, 57.079, 3.299



57, 78.587, 8.325



77, 66.922, 111.542



39, 4.737, 353.491



34, 61.425, 16.027



4, 16.745, 1.714

Previews

White Background



This preview shows how the CIE LCh color 48, 52.207, 284.304 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, 52.207, 284.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

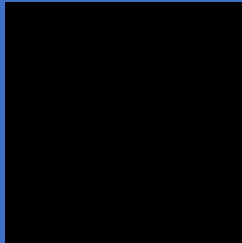
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 52.207, 284.304

Background



This preview shows how black text looks on a background with the CIELCh color 48, 52.207, 284.304.



This preview shows how white text looks on a background with the CIELCh color 48, 52.207, 284.304.

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, 52.207, 284.304

Protanopia

48, 52.052, 286.529

Deuteranopia

48, 50.692, 278.337



Tritanopia
48, 28.327, 208.862

Trichromacy



Original Color
48, 52.207, 284.304

Protanomaly
48, 52.097, 285.592

Deuteranomaly
48, 50.993, 280.162

Tritanomaly
48, 30.475, 245.848

Monochromacy



Original Color
48, 52.207, 284.304

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 19.689, 275.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 52.207, 284.304 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(65, 112, 200)` looks like.

```
.text, #text, p{  
    color:rgb(65, 112, 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(65, 112, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 112, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 52.207, 284.304 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(65, 112, 200) }
```

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

```
.border{ border-color:rgb(65, 112, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 112, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 112, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 112, 200);  
box-shadow:4px 4px 4px 4px rgb(65, 112,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 52.207, 284.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 112, 200) }
```

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

```
.background{ background-color: rgb(65, 112,  
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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