

Converting Colors

CIELCh(50, 40.626, 295.184)

Have a look what the booklet for
CIELCh(50, 40.626, 295.184)
contains.

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Color

CIELCh(50, 40.960, 295.208)

Conversions

Conversions Part 1

Format	Color
Hex	7070B6
RGB	112, 112, 182
RGB Percent	44%, 44%, 71%
CMY	0.5607, 0.5607, 0.2862
CMYK	0.38, 0.38, 0.00, 0.29
HSL	240°, 32%, 58%
HSV	240°, 38%, 71%
XYZ	20.9285, 18.4187, 46.7226
YIQ	119.9800, -22.4700, 21.7700

Conversions

Conversions Part 2

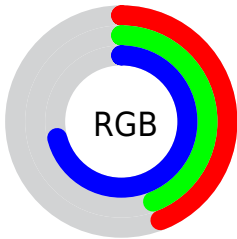
Format	Color
R _Y B	112, 112, 182
Decimal	7368886
CIE Lab	50.00, 17.45, -37.06
CIE LCh	50, 40.960, 295.208
Yxy	18.4187, 0.2432, 0.2140
Android (android.graphics.Color)	4285558966 (0xFF7070B6)
YUV	119.9800, 30.5759, -6.9985
Hunter-Lab	42.9170, 11.9410, -34.5056

Details

The CIELCh color $50, 40.960, 295.208$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $73, 37.161, 106.519$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 40.593, 294.946$, and $30, 41.452, 295.645$ is the 20% darker color. If you saturate the color by 10%, you get $44, 52.708, 297.070$, and if you desaturate by 10%, it is $56, 29.671, 293.592$.

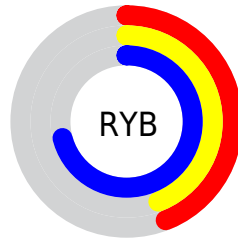
Distribution



Red (44%)

Green (44%)

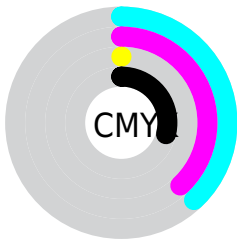
Blue (71%)



Red (44%)

Yellow (44%)

Blue (71%)

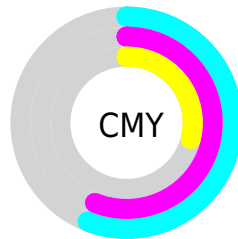


Cyan (38%)

Magenta (38%)

Yellow (0%)

Black (29%)



Cyan (56%)


Magenta (56%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 40.960, 295.208 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 50, 40.960, 295.208 by changing the saturation by 10% instead.


 50, 40.960,
295.208


 50, 40.960,
295.208


 100, 40.960,
295.208

 40, 40.960,
295.208

 70, 40.960,
295.208

 30, 40.960,
295.208

 80, 40.960,
295.208

 20, 40.960,
295.208

 90, 40.960,
295.208

 10, 40.960,
295.208

 0, 40.960, 295.208

 50, 40.960,
295.208

 50, 40.960,
295.208

44, 52.708,
297.070

56, 29.671,
293.592

38, 64.817,
299.149

63, 18.849,
292.210

32, 76.950,
301.344

69, 8.467, 291.040

75, 1.505, 109.996

28, 88.301,
303.441

81, 11.100,
109.183

24, 97.422,
305.118

87, 20.346,
108.463

22, 103.097,
306.145

93, 29.266,
107.845

22, 103.889,
306.287

98, 36.649,
107.384

Harmonies

Complementary

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



50, 40.960, 295.208



73, 37.161, 106.519

Rectangle

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



50, 40.960, 295.208



50, 40.960, 345.208



50, 40.960, 115.208



50, 40.960, 165.208

Sweetspot

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



50, 40.959, 295.208



85, 15.005, 291.455



70, 23.028, 197.591



44, 10.059, 291.605



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 40.959, 295.208



58, 61.822, 296.741



53, 42.257, 310.967



35, 5.722, 291.135



17, 92.504, 306.287



1, 15.385, 290.298

Inverse Universe

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



57, 46.401, 326.479



69, 67.975, 326.874



70, 40.013, 127.284



36, 6.910, 324.928



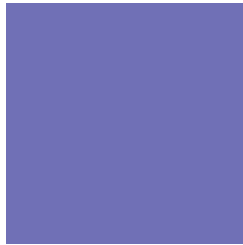
37, 79.887, 328.234



3, 18.823, 324.745

Previews

White Background



This preview shows how the CIE LCh color 50, 40.960, 295.208 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 40.960, 295.208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

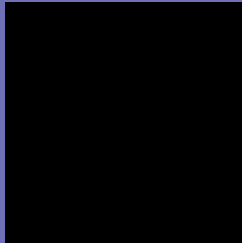
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 40.960, 295.208

Background



This preview shows how black text looks on a background with the CIELCh color 50, 40.960, 295.208.



This preview shows how white text looks on a background with the CIELCh color 50, 40.960, 295.208.

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


50, 40.960, 295.208

Protanopia

50, 40.552, 285.307

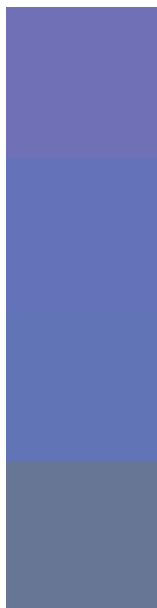
Deuteranopia

50, 37.351, 281.686



Tritanopia
50, 9.850, 235.380

Trichromacy



Original Color
50, 40.960, 295.208

Protanomaly
50, 40.966, 289.001

Deuteranomaly
50, 38.179, 286.356

Tritanomaly
50, 19.203, 277.914

Monochromacy



Original Color
50, 40.960, 295.208

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 15.230, 292.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 40.960, 295.208 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(112, 112, 182)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 182)  
}
```

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(112, 112, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 40.960, 295.208 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(112, 112, 182) }
```

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

```
.border{ border-color:rgb(112, 112, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 182);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 40.960, 295.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 182) }
```

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

```
.background{ background-color: rgb(112,  
112, 182) }
```

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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