

Converting Colors

CIELCh(50, 20.667, 298.797)

Have a look what the booklet for
CIELCh(50, 20.667, 298.797)
contains.

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Color

CIELCh(50, 20.674, 298.784)

Conversions

Conversions Part 1

Format	Color
Hex	797396
RGB	121, 115, 150
RGB Percent	47%, 45%, 59%
CMY	0.5268, 0.5503, 0.4131
CMYK	0.19, 0.23, 0.00, 0.41
HSL	250°, 14%, 52%
HSV	250°, 23%, 59%
XYZ	19.4092, 18.4187, 31.2413
YIQ	120.7840, -7.6590, 12.1570

Conversions

Conversions Part 2

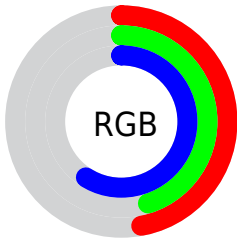
Format	Color
R_{YB}	121, 115, 150
Decimal	7959446
CIE Lab	50.00, 9.95, -18.12
CIE LCh	50, 20.674, 298.784
Yxy	18.4187, 0.2810, 0.2667
Android (android.graphics.Color)	4286149526 (0xFF797396)
YUV	120.7840, 14.4035, 0.1894
Hunter-Lab	42.9170, 5.6220, -13.1182

Details

The CIELCh color $50, 20.674, 298.784$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 19.656, 115.247$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 20.487, 298.981$, and $30, 20.645, 299.043$ is the 20% darker color. If you saturate the color by 10%, you get $45, 30.084, 299.803$, and if you desaturate by 10%, it is $55, 11.607, 297.893$.

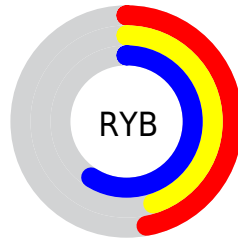
Distribution



Red (47%)

Green (45%)

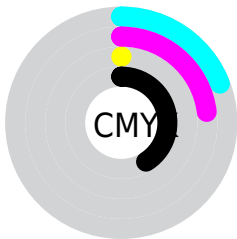
Blue (59%)



Red (47%)

Yellow (45%)

Blue (59%)

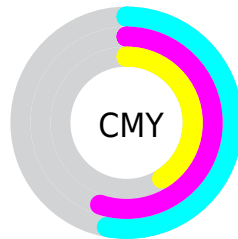


Cyan (19%)

Magenta (23%)

Yellow (0%)

Black (41%)



Cyan (53%)


Magenta (55%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.674, 298.784 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, 20.674, 298.784 by changing the saturation by 10% instead.


 50, 20.674,
298.784


 50, 20.674,
298.784


 100, 20.674,
298.784


 40, 20.674,
298.784


 70, 20.674,
298.784

 30, 20.674,
298.784


 80, 20.674,
298.784


 20, 20.674,
298.784

 90, 20.674,
298.784

 10, 20.674,
298.784

 0, 20.674, 298.784

 50, 20.674,
298.784

 50, 20.674,
298.784

45, 30.084,
299.803

55, 11.607,
297.893

40, 39.827,
300.954

60, 2.880, 297.121

35, 49.835,
302.224

65, 5.527, 116.455

30, 59.929,
303.566

70, 13.631,
115.880

26, 69.718,
304.885

75, 21.453,
115.386

22, 78.473,
306.012

80, 29.010,
114.960

19, 85.118,
306.725

85, 36.321,
114.592

17, 88.733,
307.135

90, 43.401,
114.275

95, 50.265,
114.002

Harmonies

Complementary

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



50, 20.674, 298.784



61, 19.656, 115.247

Rectangle

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



50, 20.674, 298.784



50, 20.674, 348.784



50, 20.674, 118.784



50, 20.674, 168.784

Sweetspot

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



50, 20.673, 298.783



74, 7.416, 297.398



58, 10.959, 216.214



38, 4.809, 297.437



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



50, 20.673, 298.783



61, 30.876, 299.295



52, 22.245, 315.636



29, 4.818, 297.556



16, 83.450, 307.182



0, 4.148, 296.884

Inverse Universe

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



53, 21.551, 330.945



65, 31.862, 331.272



59, 21.818, 133.640



29, 5.129, 330.060



31, 64.147, 336.229



1, 4.458, 329.543

Previews

White Background



This preview shows how the CIELCh color 50, 20.674, 298.784 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 CIELCh color 50, 20.674, 298.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

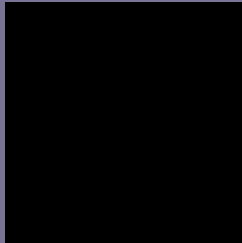
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.674, 298.784

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.674, 298.784.



This preview shows how white text looks on a background with the CIELCh color 50, 20.674, 298.784.

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, 20.674, 298.784

Protanopia

50, 20.005, 284.663

Deuteranopia

50, 18.733, 290.376



Tritanopia
50, 5.309, 282.457

Trichromacy



Original Color
50, 20.674, 298.784

Protanomaly
50, 19.906, 289.649

Deuteranomaly
50, 19.351, 293.706

Tritanomaly
50, 11.149, 293.560

Monochromacy



Original Color
50, 20.674, 298.784

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.662, 296.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.674, 298.784 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(121, 115, 150)` looks like.

```
.text, #text, p{  
    color:rgb(121, 115, 150)  
}
```

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(121, 115, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 115, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.674, 298.784 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(121, 115, 150) }
```

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

```
.border{ border-color:rgb(121, 115, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 115, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 115, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 115, 150);  
box-shadow:4px 4px 4px 4px rgb(121, 115,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.674, 298.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 115, 150) }
```

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

```
.background{ background-color: rgb(121,  
115, 150) }
```

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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