

Converting Colors

CIELCh(50, 20.463, 317.499)

Have a look what the booklet for
CIELCh(50, 20.463, 317.499)
contains.

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Color

CIELCh(50, 20.747, 317.247)

Conversions

Conversions Part 1

Format	Color
Hex	866F8F
RGB	134, 111, 143
RGB Percent	53%, 44%, 56%
CMY	0.4745, 0.5647, 0.4392
CMYK	0.06, 0.22, 0.00, 0.44
HSL	283°, 13%, 50%
HSV	283°, 22%, 56%
XYZ	20.4721, 18.4187, 28.4608
YIQ	121.5250, 3.4360, 14.8280

Conversions

Conversions Part 2

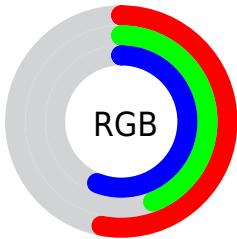
Format	Color
R_{YB}	134, 111, 143
Decimal	8810383
CIE _{Lab}	50.00, 15.23, -14.08
CIE _{LCh}	50, 20.747, 317.247
Yxy	18.4187, 0.3040, 0.2735
Android (android.graphics.Color)	4287000463 (0xFF866F8F)
YUV	121.5250, 10.5872, 10.9406
Hunter-Lab	42.9170, 10.0428, -9.2769

Details

The CIELCh color $50, 20.747, 317.247$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 20.434, 135.318$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 20.635, 316.639$, and $30, 21.022, 317.012$ is the 20% darker color. If you saturate the color by 10%, you get $46, 30.186, 317.671$, and if you desaturate by 10%, it is $54, 11.376, 316.818$.

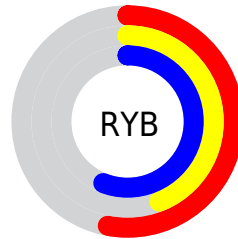
Distribution



Red (53%)

Green (44%)

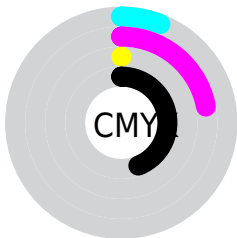
Blue (56%)



Red (53%)

Yellow (44%)

Blue (56%)

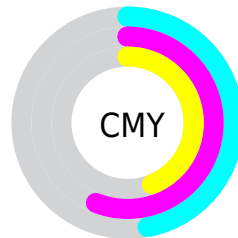


Cyan (6%)

Magenta (22%)

Yellow (0%)

Black (44%)



Cyan (47%)


Magenta (56%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.747, 317.247 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, 20.747, 317.247 by changing the saturation by 10% instead.


 50, 20.747,
317.247


 50, 20.747,
317.247


 100, 20.747,
317.247


 40, 20.747,
317.247


 70, 20.747,
317.247

 30, 20.747,
317.247


 80, 20.747,
317.247


 20, 20.747,
317.247

 90, 20.747,
317.247

 10, 20.747,
317.247

 0, 20.747, 317.247

 50, 20.747,
317.247

 50, 20.747,
317.247

46, 30.186,
317.671

54, 11.376,
316.818

42, 39.559,
318.073

58, 2.167, 316.353

38, 48.650,
318.427

63, 6.834, 136.051

35, 57.155,
318.694

67, 15.598,
135.674

32, 64.676,
318.827

71, 24.117,
135.333

29, 70.764,
318.769

76, 32.389,
135.023

28, 75.021,
318.466

80, 40.420,
134.742

26, 77.496,
318.147

84, 48.219,
134.488

88, 55.796,
134.260

Harmonies

Complementary

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



50, 20.747, 317.247



57, 20.434, 135.318

Rectangle

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



50, 20.747, 317.247



50, 20.747, 7.247



50, 20.747, 137.247



50, 20.747, 187.247

Sweetspot

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



50, 20.745, 317.247



72, 7.939, 316.592



50, 13.704, 277.968



38, 5.201, 316.614



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



50, 20.745, 317.247



62, 31.146, 317.468



51, 19.255, 332.508



28, 5.168, 316.680



25, 74.364, 318.193



0, 3.460, 316.321

Inverse Universe

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



50, 14.144, 359.515



62, 21.350, 0.164



56, 19.165, 149.561



28, 3.473, 358.052



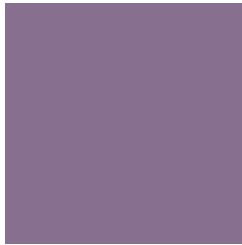
28, 54.724, 21.165



0, 2.303, 357.268

Previews

White Background



This preview shows how the CIELCh color 50, 20.747, 317.247 looks on a white background.

Color Contrast Check

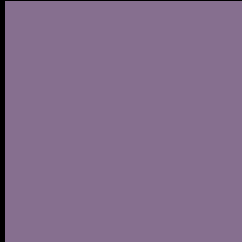
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.747, 317.247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

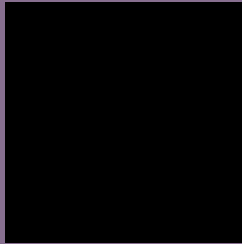
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.747, 317.247

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.747, 317.247.



This preview shows how white text looks on a background with the CIELCh color 50, 20.747, 317.247.

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, 20.747, 317.247

Protanopia

50, 17.627, 285.437

Deuteranopia

50, 15.308, 296.295



Tritanopia
50, 7.991, 344.608

Trichromacy



Original Color
50, 20.747, 317.247

Protanomaly
50, 18.314, 298.223

Deuteranomaly
50, 16.914, 305.025

Tritanomaly
50, 11.796, 328.359

Monochromacy



Original Color
50, 20.747, 317.247

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 7.719, 315.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.747, 317.247 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(134, 111, 143)` looks like.

```
.text, #text, p{  
    color:rgb(134, 111, 143)  
}
```

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(134, 111, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 111, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.747, 317.247 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(134, 111, 143) }
```

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

```
.border{ border-color:rgb(134, 111, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 111, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 111, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 111, 143);  
box-shadow:4px 4px 4px 4px rgb(134, 111,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.747, 317.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 111, 143) }
```

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

```
.background{ background-color: rgb(134,  
111, 143) }
```

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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