

Converting Colors

CIELCh(50, 22.768, 307.250)

Have a look what the booklet for
CIELCh(50, 22.768, 307.250)
contains.

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Color

CIELCh(50, 23.134, 307.578)

Conversions

Conversions Part 1

Format	Color
Hex	807096
RGB	128, 112, 150
RGB Percent	50%, 44%, 59%
CMY	0.4976, 0.5603, 0.4113
CMYK	0.15, 0.25, 0.00, 0.41
HSL	265°, 15%, 51%
HSV	265°, 25%, 59%
XYZ	20.2422, 18.4187, 31.3941
YIQ	121.1160, -2.6620, 15.2100

Conversions

Conversions Part 2

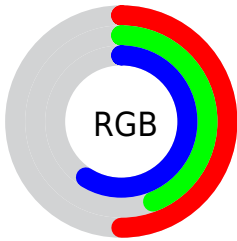
Format	Color
R_{YB}	128, 112, 150
Decimal	8417430
CIE _{Lab}	50.00, 14.11, -18.33
CIE _{LCh}	50, 23.134, 307.578
Yxy	18.4187, 0.2889, 0.2629
Android (android.graphics.Color)	4286607510 (0xFF807096)
YUV	121.1160, 14.2398, 6.0373
Hunter-Lab	42.9170, 9.0866, -13.3293

Details

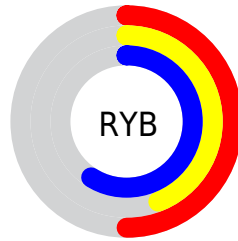
The CIELCh color $50, 23.134, 307.578$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 22.224, 125.051$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 22.843, 307.412$, and $30, 23.165, 307.397$ is the 20% darker color. If you saturate the color by 10%, you get $45, 32.708, 308.184$, and if you desaturate by 10%, it is $55, 13.790, 307.015$.

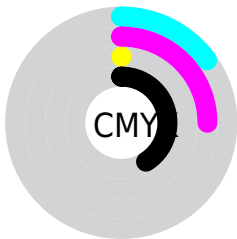
Distribution



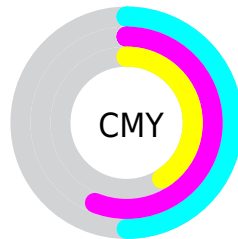
- Red (50%)
- Green (44%)
- Blue (59%)



- Red (50%)
- Yellow (44%)
- Blue (59%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (41%)





- Cyan (50%)
- Magenta (56%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 23.134, 307.578 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, 23.134, 307.578 by changing the saturation by 10% instead.


 50, 23.134,
307.578


 50, 23.134,
307.578


 100, 23.134,
307.578


 40, 23.134,
307.578


 70, 23.134,
307.578

 30, 23.134,
307.578


 80, 23.134,
307.578


 20, 23.134,
307.578

 90, 23.134,
307.578

 10, 23.134,
307.578

 0, 23.134, 307.578

 50, 23.134,
307.578

 50, 23.134,
307.578

45, 32.708,
308.184

55, 13.790,
307.015

41, 42.436,
308.819

60, 4.716, 306.498

36, 52.162,
309.453

64, 4.076, 126.078

69, 12.589,
125.664

32, 61.611,
310.033

74, 20.829,
125.309

28, 70.334,
310.477

79, 28.809,
125.001

25, 77.693,
310.672

83, 36.543,
124.733

22, 83.030,
310.503

88, 44.043,
124.502

21, 85.299,
310.431

93, 51.325,
124.304

Harmonies

Complementary

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



50, 23.134, 307.578



60, 22.224, 125.051

Rectangle

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



50, 23.134, 307.578



50, 23.134, 357.578



50, 23.134, 127.578



50, 23.134, 177.578

Sweetspot

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



50, 23.133, 307.577



75, 8.870, 306.642



55, 11.870, 249.248



39, 6.367, 306.715



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 23.133, 307.577



61, 34.372, 307.894



52, 25.711, 323.393



29, 4.979, 306.695



19, 80.021, 310.516



0, 4.298, 306.263

Inverse Universe

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



52, 19.710, 341.655



64, 29.108, 342.149



59, 25.598, 140.720



29, 4.294, 340.279



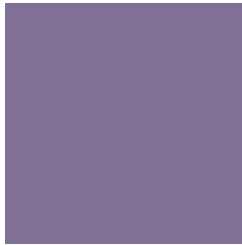
29, 55.005, 353.865



1, 3.722, 339.628

Previews

White Background



This preview shows how the CIELCh color 50, 23.134, 307.578 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, 23.134, 307.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

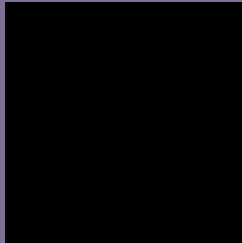
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 23.134, 307.578

Background



This preview shows how black text looks on a background with the CIELCh color 50, 23.134, 307.578.



This preview shows how white text looks on a background with the CIELCh color 50, 23.134, 307.578.

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, 23.134, 307.578

Protanopia

50, 21.193, 284.393

Deuteranopia

50, 18.733, 290.376



Tritanopia
50, 5.985, 318.415

Trichromacy



Original Color
50, 23.134, 307.578

Protanomaly
50, 21.674, 292.928

Deuteranomaly
50, 20.056, 297.878

Tritanomaly
50, 12.394, 309.716

Monochromacy



Original Color
50, 23.134, 307.578

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 8.545, 307.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 23.134, 307.578 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(128, 112, 150)` looks like.

```
.text, #text, p{  
    color:rgb(128, 112, 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(128, 112, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 112, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 23.134, 307.578 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(128, 112, 150) }
```

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

```
.border{ border-color:rgb(128, 112, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 112, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 112, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 112, 150);  
box-shadow:4px 4px 4px 4px rgb(128, 112,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 23.134, 307.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 112, 150) }
```

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

```
.background{ background-color: rgb(128,  
112, 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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