

Converting Colors

CIELCh(50, 52.851, 316.170)

Have a look what the booklet for
CIELCh(50, 52.851, 316.170)
contains.

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Color

CIELCh(50, 53.112, 316.172)

Conversions

Conversions Part 1

Format	Color
Hex	9860B6
RGB	152, 96, 182
RGB Percent	60%, 38%, 71%
CMY	0.4039, 0.6235, 0.2863
CMYK	0.16, 0.47, 0.00, 0.29
HSL	279°, 37%, 55%
HSV	279°, 47%, 71%
XYZ	25.5755, 18.4187, 46.4634
YIQ	122.5480, 5.7700, 38.6180

Conversions

Conversions Part 2

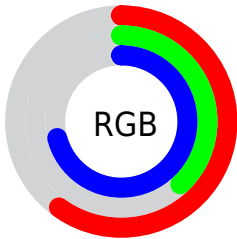
Format	Color
R_{YB}	152, 96, 182
Decimal	9986230
CIE _{Lab}	50.00, 38.32, -36.78
CIE _{LCh}	50, 53.112, 316.172
Yxy	18.4187, 0.2827, 0.2036
Android (android.graphics.Color)	4288176310 (0xFF9860B6)
YUV	122.5480, 29.3098, 25.8294
Hunter-Lab	42.9170, 31.2689, -34.1475

Details

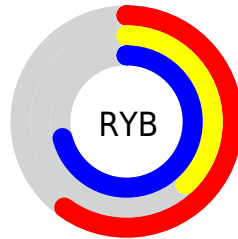
The CIELCh color $50, 53.112, 316.172$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $69, 50.916, 131.906$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 52.971, 316.306$, and $30, 53.243, 316.117$ is the 20% darker color. If you saturate the color by 10%, you get $45, 63.947, 316.515$, and if you desaturate by 10%, it is $55, 41.834, 315.763$.

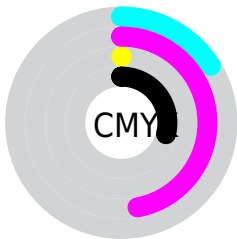
Distribution



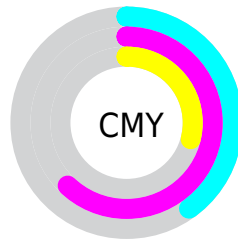
- Red (60%)
- Green (38%)
- Blue (71%)



- Red (60%)
- Yellow (38%)
- Blue (71%)



- Cyan (16%)
- Magenta (47%)
- Yellow (0%)
- Black (29%)





- Cyan (40%)
- Magenta (62%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 53.112, 316.172 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, 53.112, 316.172 by changing the saturation by 10% instead.


 50, 53.112,
316.172


 50, 53.112,
316.172


 100, 53.112,
316.172


 40, 53.112,
316.172


 70, 53.112,
316.172


 30, 53.112,
316.172


 80, 53.112,
316.172


 20, 53.112,
316.172

 90, 53.112,
316.172

 10, 53.112,
316.172

 0, 53.112, 316.172

 50, 53.112,
316.172

 50, 53.112,
316.172

45, 63.947,
316.515

55, 41.834,
315.763

41, 73.900,
316.739

60, 30.426,
315.325

38, 82.397,
316.779

65, 19.087,
314.882

35, 88.827,
316.559

70, 7.936, 314.445

33, 92.865,
316.034

76, 2.958, 134.114

32, 93.827,
315.880

81, 13.560,
133.699

86, 23.857,
133.353

91, 33.850,
133.042

95, 40.743,
132.095

Harmonies

Complementary

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



50, 53.112, 316.172



69, 50.916, 131.906

Rectangle

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



50, 53.112, 316.172



50, 53.112, 6.172



50, 53.112, 136.172



50, 53.112, 186.172

Sweetspot

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



50, 53.110, 316.172



85, 19.146, 314.750



53, 33.158, 278.182



44, 13.356, 314.844



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, 53.110, 316.172



59, 78.883, 316.535



53, 50.881, 331.737



36, 6.259, 314.536



27, 83.484, 316.005



2, 16.456, 310.344

Inverse Universe

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



52, 38.159, 358.524



61, 56.556, 0.701



67, 51.024, 144.863



36, 4.433, 353.473



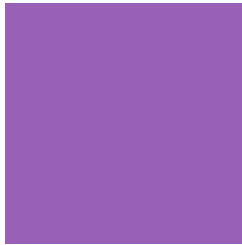
32, 59.245, 15.777



2, 11.396, 359.149

Previews

White Background



This preview shows how the CIELCh color 50, 53.112, 316.172 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, 53.112, 316.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

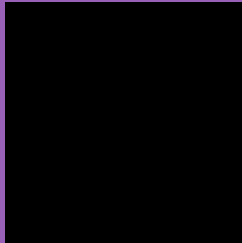
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 53.112, 316.172

Background



This preview shows how black text looks on a background with the CIELCh color 50, 53.112, 316.172.



This preview shows how white text looks on a background with the CIELCh color 50, 53.112, 316.172.

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, 53.112, 316.172

Protanopia
50, 48.680, 285.801

Deuteranopia
50, 34.940, 281.560



Tritanopia
50, 13.584, 1.113

Trichromacy



Original Color
50, 53.112, 316.172

Protanomaly
50, 49.162, 296.154

Deuteranomaly
50, 39.879, 296.446

Tritanomaly
50, 25.999, 328.818

Monochromacy



Original Color
50, 53.112, 316.172

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 19.868, 315.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 53.112, 316.172 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(152, 96, 182)` looks like.

```
.text, #text, p{  
    color:rgb(152, 96, 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(152, 96, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 96, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 53.112, 316.172 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(152, 96, 182) }
```

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

```
.border{ border-color:rgb(152, 96, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 96, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 96, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 96, 182);  
box-shadow:4px 4px 4px 4px rgb(152, 96,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 53.112, 316.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 96, 182) }
```

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

```
.background{ background-color: rgb(152, 96,  
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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