

Converting Colors

CIELCh(18, 52.579, 314.492)

Have a look what the booklet for
CIELCh(18, 52.579, 314.492)
contains.

CIELCh(18, 52.286, 314.435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 52.286, 314.435)

Conversions

Conversions Part 1

Format	Color
Hex	411463
RGB	65, 20, 99
RGB Percent	25%, 8%, 39%
CMY	0.7454, 0.9219, 0.6121
CMYK	0.34, 0.80, 0.00, 0.61
HSL	274°, 66%, 23%
HSV	274°, 80%, 39%
XYZ	4.6720, 2.5180, 12.0248
YIQ	42.4610, 1.4610, 34.1090

Conversions

Conversions Part 2

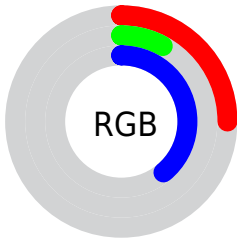
Format	Color
RYB	65, 20, 99
Decimal	4265059
CIELab	18.00, 36.61, -37.33
CIELCh	18, 52.286, 314.435
Yxy	2.5180, 0.2431, 0.1310
Android (android.graphics.Color)	4282455139 (0xFF411463)
YUV	42.4610, 27.8737, 19.7667
Hunter-Lab	15.8683, 24.7845, -33.8211




Details

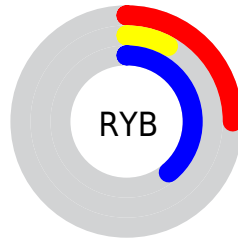
The CIELCh color **18, 52.286, 314.435** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 47.894, 128.639**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 52.554, 314.174**, and **3, 35.673, 306.691** is the 20% darker color. If you saturate the color by 10%, you get **16, 56.812, 314.342**, and if you desaturate by 10%, it is **20, 46.686, 314.294**.

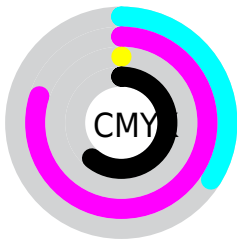
Distribution







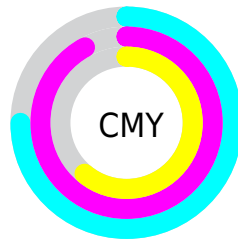
-  Red (25%)
-  Green (8%)
-  Blue (39%)






-  Red (25%)
-  Yellow (8%)
-  Blue (39%)



-  Cyan (34%)
-  Magenta (80%)
-  Yellow (0%)
-  Black (61%)





-  Cyan (75%)
-  Magenta (92%)
-  Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 52.286, 314.435 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 18, 52.286, 314.435 by changing the saturation by 10% instead.

 18, 52.286,
314.435


 18, 52.286,
314.435


 100, 52.286,
314.435


 8, 52.286, 314.435


 38, 52.286,
314.435

 0, 52.286, 314.435

 48, 52.286,
314.435


 58, 52.286,
314.435

 68, 52.286,
314.435


 78, 52.286,
314.435


 88, 52.286,

314.435


 98, 52.286,
314.435


 18, 52.286,
314.435


 18, 52.286,
314.435


 16, 56.812,
314.342


 20, 46.686,
314.294


 14, 61.010,
314.256

 23, 40.383,
313.997

 14, 61.074,
314.257

 26, 33.686,
313.606

 29, 26.819,
313.168

 32, 19.934,
312.716

■ 35, 13.122,
312.270

■ 39, 6.439, 311.840

■ 42, 0.084, 132.466

■ 45, 6.434, 131.109

Harmonies

Complementary

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



18, 52.286, 314.435



37, 47.894, 128.639

Rectangle

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



18, 52.286, 314.435



18, 52.286, 4.435



18, 52.286, 134.435



18, 52.286, 184.435

Sweetspot

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



18, 52.286, 314.435



44, 19.638, 312.483



23, 30.486, 279.969



20, 13.407, 312.593



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



18, 52.286, 314.435



21, 71.647, 314.048



23, 49.736, 330.208



18, 3.596, 311.798



17, 66.837, 314.094



40, 117.483, 313.414

Inverse Universe

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



22, 37.479, 359.070



27, 49.643, 5.492



36, 51.402, 139.007



18, 2.725, 348.253



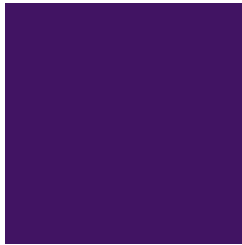
23, 46.084, 6.302



51, 80.690, 9.628

Previews

White Background



This preview shows how the CIE LCh color 18, 52.286, 314.435 looks on a white 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 18, 52.286, 314.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

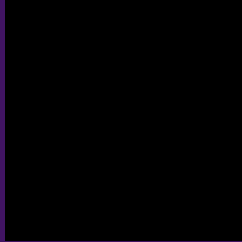
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 52.286, 314.435

Background



This preview shows how black text looks on a background with the CIELCh color 18, 52.286, 314.435.



This preview shows how white text looks on a background with the CIELCh color 18, 52.286, 314.435.

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

18, 52.286, 314.435

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 24.300, 269.136



Tritanopia
19, 6.626, 2.976

Trichromacy



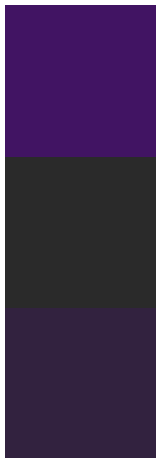
Original Color
18, 52.286, 314.435

Protanomaly
17, 41.397, 296.071

Deuteranomaly
17, 34.691, 292.792

Tritanomaly
18, 23.575, 320.828

Monochromacy



Original Color
18, 52.286, 314.435

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 21.280, 312.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 52.286, 314.435 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(65, 20, 99)` looks like.

```
.text, #text, p{  
    color:rgb(65, 20, 99)  
}
```

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(65, 20, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 20, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 52.286, 314.435 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(65, 20, 99) }
```

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

```
.border{ border-color:rgb(65, 20, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 20, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 20, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 20, 99);  
box-shadow:4px 4px 4px 4px rgb(65, 20, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 52.286, 314.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 20, 99) }
```

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

```
.background{ background-color: rgb(65, 20,  
99) }
```

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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