

Converting Colors

CIELCh(18, 48.804, 316.650)

Have a look what the booklet for
CIELCh(18, 48.804, 316.650)
contains.

CIELCh(18, 48.934, 316.573)	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, 48.934, 316.573)

Conversions

Conversions Part 1

Format	Color
Hex	43145D
RGB	67, 20, 93
RGB Percent	26%, 8%, 36%
CMY	0.7357, 0.9200, 0.6338
CMYK	0.28, 0.78, 0.00, 0.63
HSL	279°, 64%, 22%
HSV	279°, 78%, 37%
XYZ	4.5908, 2.5180, 10.6881
YIQ	42.3750, 4.5790, 32.6670

Conversions

Conversions Part 2

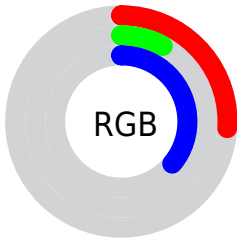
Format	Color
R_{YB}	67, 20, 93
Decimal	4396125
CIE _{Lab}	18.00, 35.54, -33.64
CIE _{LCh}	18, 48.934, 316.573
Yxy	2.5180, 0.2580, 0.1415
Android (android.graphics.Color)	4282586205 (0xFF43145D)
YUV	42.3750, 24.9581, 21.5961
Hunter-Lab	15.8683, 23.8713, -28.8270

Details

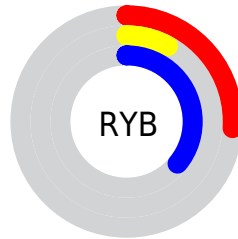
The CIELCh color **18, 48.934, 316.573** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **35, 46.029, 130.818**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 48.949, 316.548**, and **3, 31.169, 308.572** is the 20% darker color. If you saturate the color by 10%, you get **16, 53.246, 316.486**, and if you desaturate by 10%, it is **20, 43.636, 316.458**.

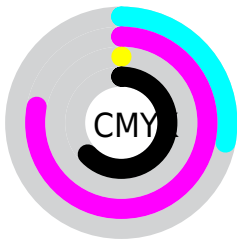
Distribution



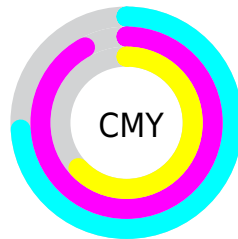
- Red (26%)
- Green (8%)
- Blue (36%)



- Red (26%)
- Yellow (8%)
- Blue (36%)



- Cyan (28%)
- Magenta (78%)
- Yellow (0%)
- Black (63%)





- Cyan (74%)
- Magenta (92%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 48.934, 316.573 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, 48.934, 316.573 by changing the saturation by 10% instead.

 18, 48.934,
316.573

 18, 48.934,
316.573

 100, 48.934,
316.573

 8, 48.934, 316.573


 38, 48.934,
316.573

 0, 48.934, 316.573

 48, 48.934,
316.573

 58, 48.934,
316.573


 68, 48.934,
316.573


 78, 48.934,
316.573


 88, 48.934,


316.573


 98, 48.934,
316.573


 18, 48.934,
316.573


 18, 48.934,
316.573


 16, 53.246,
316.486

 20, 43.636,
316.458


 15, 57.047,
316.340

 23, 37.670,
316.203

 14, 57.807,
316.339

 25, 31.307,
315.858

 28, 24.755,
315.465

 31, 18.158,
315.050

■ 34, 11.608,
314.635

■ 37, 5.164, 314.224

■ 40, 1.140, 133.947

■ 43, 7.286, 133.524

Harmonies

Complementary

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



18, 48.934, 316.573



35, 46.029, 130.818

Rectangle

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



18, 48.934, 316.573



18, 48.934, 6.573



18, 48.934, 136.573



18, 48.934, 186.573

Sweetspot

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



18, 48.933, 316.573



43, 18.461, 314.866



20, 31.642, 284.703



20, 12.684, 314.968



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



18, 48.933, 316.573



21, 67.872, 316.203



22, 44.890, 332.696



17, 3.496, 314.251



18, 64.797, 316.141



43, 114.714, 315.489

Inverse Universe

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



20, 34.829, 4.273



25, 47.875, 11.234



34, 46.496, 140.936



17, 2.489, 352.880



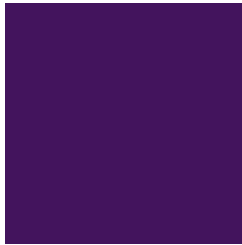
22, 45.673, 13.044



50, 81.430, 16.859

Previews

White Background



This preview shows how the CIE LCh color 18, 48.934, 316.573 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, 48.934, 316.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

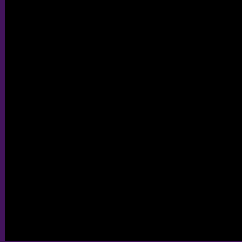
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 48.934, 316.573

Background



This preview shows how black text looks on a background with the CIELCh color 18, 48.934, 316.573.



This preview shows how white text looks on a background with the CIELCh color 18, 48.934, 316.573.

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, 48.934, 316.573

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 25.436, 271.830



Tritanopia
18, 9.581, 9.468

Trichromacy



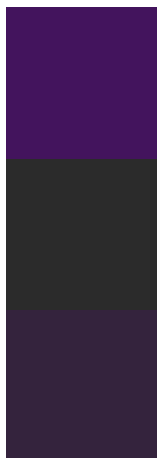
Original Color
18, 48.934, 316.573

Protanomaly
16, 40.082, 295.952

Deuteranomaly
17, 34.010, 292.863

Tritanomaly
18, 22.634, 327.599

Monochromacy



Original Color
18, 48.934, 316.573

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 19.450, 315.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 48.934, 316.573 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(67, 20, 93)` looks like.

```
.text, #text, p{  
    color:rgb(67, 20, 93)  
}
```

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(67, 20, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 20, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 48.934, 316.573 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(67, 20, 93) }
```

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

```
.border{ border-color:rgb(67, 20, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 20, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 20, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 20, 93);  
box-shadow:4px 4px 4px 4px rgb(67, 20, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 48.934, 316.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 20, 93) }
```

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

```
.background{ background-color: rgb(67, 20,  
93) }
```

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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