

Converting Colors

CIELCh(48, 18.082, 319.214)

Have a look what the booklet for
CIELCh(48, 18.082, 319.214)
contains.

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Color

CIELCh(48, 17.943, 318.986)

Conversions

Conversions Part 1

Format	Color
Hex	806B86
RGB	128, 107, 134
RGB Percent	50%, 42%, 53%
CMY	0.4984, 0.5808, 0.4749
CMYK	0.04, 0.20, 0.00, 0.47
HSL	287°, 11%, 47%
HSV	287°, 20%, 53%
XYZ	18.4301, 16.7945, 24.7873
YIQ	116.3570, 3.8490, 12.8490

Conversions

Conversions Part 2

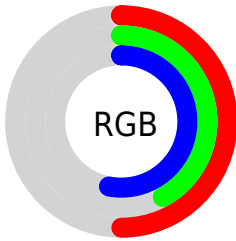
Format	Color
R_{YB}	128, 107, 134
Decimal	8416134
CIE _{Lab}	48.00, 13.54, -11.77
CIE _{LCh}	48, 17.943, 318.986
Yxy	16.7945, 0.3071, 0.2799
Android (android.graphics.Color)	4286606214 (0xFF806B86)
YUV	116.3570, 8.6980, 10.2109
Hunter-Lab	40.9810, 8.5588, -7.1746

Details

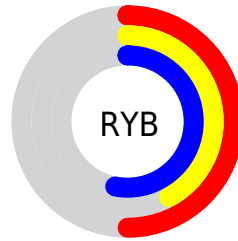
The CIELCh color $48, 17.943, 318.986$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $54, 17.755, 137.209$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 18.147, 319.272$, and $28, 17.442, 319.710$ is the 20% darker color. If you saturate the color by 10%, you get $44, 26.971, 319.413$, and if you desaturate by 10%, it is $52, 8.972, 318.550$.

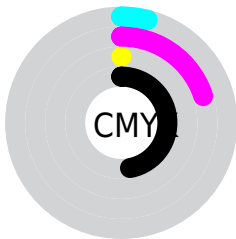
Distribution



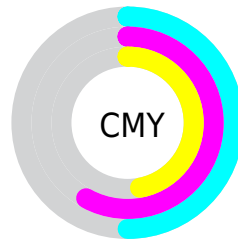
- Red (50%)
- Green (42%)
- Blue (53%)



- Red (50%)
- Yellow (42%)
- Blue (53%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (47%)




- Cyan (50%)
- Magenta (58%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 17.943, 318.986 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 48, 17.943, 318.986 by changing the saturation by 10% instead.


 48, 17.943,
318.986


 48, 17.943,
318.986


 100, 17.943,
318.986


 38, 17.943,
318.986

 68, 17.943,
318.986


 28, 17.943,
318.986

 78, 17.943,
318.986

 18, 17.943,
318.986


 88, 17.943,
318.986

 8, 17.943, 318.986

 98, 17.943,
318.986

 0, 17.943, 318.986

 48, 17.943,

 48, 17.943,

318.986

44, 26.971,
319.413

41, 35.926,
319.819

37, 44.608,
320.181

34, 52.740,
320.467

31, 59.967,
320.638

29, 65.893,
320.649

27, 70.160,
320.457

26, 73.164,
320.132

318.986

52, 8.972, 318.550

56, 0.147, 317.124

60, 8.483, 137.768

64, 16.891,
137.383

68, 25.064,
137.029

72, 33.002,
136.704

76, 40.709,
136.406

80, 48.192,
136.134

84, 55.462,

Harmonies

Complementary

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



48, 17.943, 318.986



54, 17.755, 137.209

Rectangle

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



48, 17.943, 318.986



48, 17.943, 8.986



48, 17.943, 138.986



48, 17.943, 188.986

Sweetspot

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



48, 17.941, 318.986



68, 6.521, 318.369



48, 12.375, 280.918



35, 4.309, 318.394



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 17.941, 318.986



59, 26.448, 319.174



48, 15.864, 334.275



26, 4.936, 318.504



25, 71.630, 320.153



0, 1.173, 318.139

Inverse Universe

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



48, 11.764, 3.531



59, 17.462, 4.059



53, 15.762, 151.559



26, 3.181, 2.326



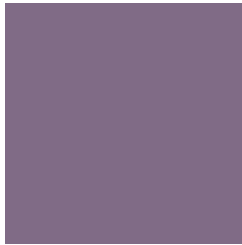
26, 54.828, 25.917



0, 0.746, 1.566

Previews

White Background



This preview shows how the CIELCh color 48, 17.943, 318.986 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 × Fail

Black Background



This preview shows how the CIELCh color 48, 17.943, 318.986 looks on a black 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

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

CIELCh 48, 17.943, 318.986

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.943, 318.986.



This preview shows how white text looks on a background with the CIELCh color 48, 17.943, 318.986.

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

48, 17.943, 318.986

Protanopia

48, 14.781, 286.428

Deuteranopia

48, 13.171, 300.174



Tritanopia
48, 8.051, 344.647

Trichromacy



Original Color
48, 17.943, 318.986

Protanomaly
48, 15.505, 299.116

Deuteranomaly
48, 14.172, 307.589

Tritanomaly
48, 11.429, 330.200

Monochromacy



Original Color
48, 17.943, 318.986

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.545, 316.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.943, 318.986 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, 107, 134)` looks like.

```
.text, #text, p{  
    color:rgb(128, 107, 134)  
}
```

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, 107, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 107, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 17.943, 318.986 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, 107, 134) }
```

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

```
.border{ border-color:rgb(128, 107, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 107, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 107, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 107, 134);  
box-shadow:4px 4px 4px 4px rgb(128, 107,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 17.943, 318.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 107, 134) }
```

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

```
.background{ background-color: rgb(128,  
107, 134) }
```

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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