

Converting Colors

CIELCh(42, 23.717, 198.720)

Have a look what the booklet for
CIELCh(42, 23.717, 198.720)
contains.

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Color

CIELCh(42, 23.813, 198.207)

Conversions

Conversions Part 1

Format	Color
Hex	1F6E6F
RGB	31, 110, 111
RGB Percent	12%, 43%, 44%
CMY	0.8803, 0.5700, 0.5661
CMYK	0.72, 0.01, 0.00, 0.57
HSL	181°, 57%, 28%
HSV	181°, 72%, 43%
XYZ	8.9388, 12.5000, 16.8800
YIQ	86.4930, -47.4050, -16.4370

Conversions

Conversions Part 2

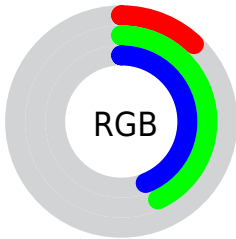
Format	Color
RYB	31, 71, 111
Decimal	2059887
CIELab	42.00, -22.62, -7.44
CIELCh	42, 23.813, 198.207
Yxy	12.5000, 0.2333, 0.3262
Android (android.graphics.Color)	4280249967 (0xFF1F6E6F)
YUV	86.4930, 12.0820, -48.6674
Hunter-Lab	35.3553, -16.7420, -3.5586

Details

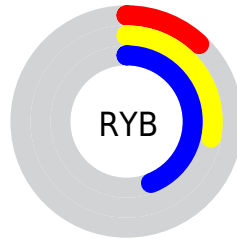
The CIELCh color **42, 23.813, 198.207** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 40.392, 30.554**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 23.734, 198.745**, and **23, 18.065, 198.578** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.204, 198.169**, and if you desaturate by 10%, it is **42, 21.890, 198.320**.

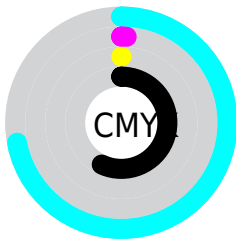
Distribution



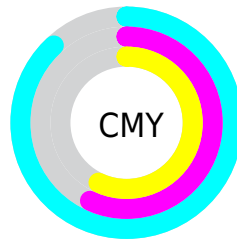
- Red (12%)
- Green (43%)
- Blue (44%)



- Red (12%)
- Yellow (28%)
- Blue (44%)



- Cyan (72%)
- Magenta (1%)
- Yellow (0%)
- Black (57%)




- Cyan (88%)
- Magenta (57%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 23.813, 198.207 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 42, 23.813, 198.207 by changing the saturation by 10% instead.

 42, 23.813,
198.207


 42, 23.813,
198.207


 100, 23.813,
198.207


 32, 23.813,
198.207

 62, 23.813,
198.207


 22, 23.813,
198.207


 72, 23.813,
198.207

 12, 23.813,
198.207

 82, 23.813,
198.207

 2, 23.813, 198.207

 92, 23.813,
198.207

 0, 23.813, 198.207

 42, 23.813,

 42, 23.813,

198.207

■ 42, 25.204,
198.169

■ 42, 26.089,
198.207

■ 41, 26.630,
198.254

198.207

■ 42, 21.890,
198.320

■ 43, 19.448,
198.510

■ 43, 16.519,
198.770

■ 44, 13.154,
199.097

■ 45, 9.415, 199.486

■ 46, 5.364, 199.942

■ 46, 1.067, 200.679

■ 47, 3.420, 20.739

■ 49, 8.042, 21.325

Harmonies

Complementary

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



42, 23.813, 198.207



25, 40.392, 30.554

Rectangle

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



42, 23.813, 198.207



42, 23.813, 248.207



42, 23.813, 18.207



42, 23.813, 68.207

Sweetspot

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



42, 23.813, 198.206



57, 11.385, 199.480



41, 54.331, 138.262



29, 7.551, 199.401



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 23.813, 198.206



53, 31.069, 198.188



29, 27.286, 270.995



23, 2.479, 200.121



45, 28.187, 198.270



88, 48.093, 198.380

Inverse Universe

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



28, 52.984, 328.126



34, 71.274, 328.533



34, 33.131, 66.678



22, 4.544, 325.220



28, 65.504, 328.716



58, 111.812, 328.744

Previews

White Background



This preview shows how the CIELCh color 42, 23.813, 198.207 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 42, 23.813, 198.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

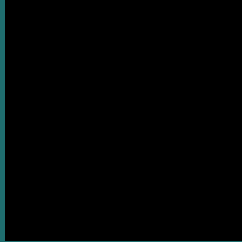
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 23.813, 198.207

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.813, 198.207.



This preview shows how white text looks on a background with the CIELCh color 42, 23.813, 198.207.

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

42, 23.813, 198.207

Protanopia

42, 3.662, 297.104

Deuteranopia

42, 11.118, 301.924



Tritanopia
42, 22.453, 209.588

Trichromacy



Original Color
42, 23.813, 198.207

Protanomaly
41, 10.757, 211.323

Deuteranomaly
41, 11.758, 237.000

Tritanomaly
42, 22.837, 206.163

Monochromacy



Original Color
42, 23.813, 198.207

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 11.170, 197.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.813, 198.207 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(31, 110, 111)` looks like.

```
.text, #text, p{  
    color:rgb(31, 110, 111)  
}
```

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(31, 110, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 110, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.813, 198.207 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(31, 110, 111) }
```

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

```
.border{ border-color:rgb(31, 110, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 110, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 110, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 110, 111);  
box-shadow:4px 4px 4px 4px rgb(31, 110,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.813, 198.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 110, 111) }
```

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

```
.background{ background-color: rgb(31, 110,  
111) }
```

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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