

Converting Colors

CIELCh(34, 23.209, 198.990)

Have a look what the booklet for
CIELCh(34, 23.209, 198.990)
contains.

CIELCh(34, 23.271, 197.984)	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(34, 23.271, 197.984)

Conversions

Conversions Part 1

Format	Color
Hex	005A5B
RGB	0, 90, 91
RGB Percent	0%, 35%, 36%
CMY	1.0000, 0.6482, 0.6443
CMYK	1.00, 0.01, 0.00, 0.64
HSL	181°, 100%, 18%
HSV	181°, 100%, 36%
XYZ	5.4990, 8.0082, 11.0866
YIQ	63.2040, -53.9610, -18.7690

Conversions

Conversions Part 2

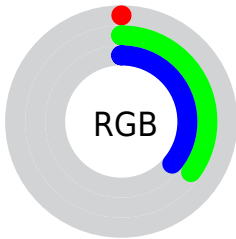
Format	Color
RYB	0, 45, 91
Decimal	23131
CIELab	34.00, -22.13, -7.18
CIELCh	34, 23.271, 197.984
Yxy	8.0082, 0.2236, 0.3256
Android (android.graphics.Color)	4278213211 (0xFF005A5B)
YUV	63.2040, 13.7034, -55.4299
Hunter-Lab	28.2988, -14.8369, -3.4188

Details

The CIELCh color **34, 23.271, 197.984** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **17, 45.395, 34.628**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 23.441, 197.184**, and **15, 14.514, 199.265** is the 20% darker color. If you saturate the color by 10%, you get **34, 23.217, 197.993**, and if you desaturate by 10%, it is **34, 22.433, 197.981**.

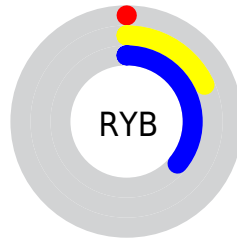
Distribution



Red (0%)

Green (35%)

Blue (36%)



Red (0%)

Yellow (18%)

Blue (36%)

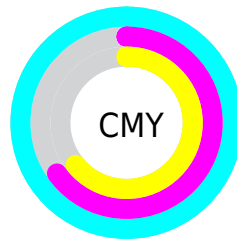


Cyan (100%)

Magenta (1%)

Yellow (0%)

Black (64%)



Cyan (100%)

Magenta (65%)


Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 23.271, 197.984 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 34, 23.271, 197.984 by changing the saturation by 10% instead.


 34, 23.271,
197.984

 34, 23.271,
197.984

 100, 23.271,
197.984


 24, 23.271,
197.984

 54, 23.271,
197.984

 14, 23.271,
197.984

 64, 23.271,
197.984

 4, 23.271, 197.984

 74, 23.271,
197.984

 0, 23.271, 197.984

 84, 23.271,
197.984

 94, 23.271,
197.984

■ 34, 23.271,
197.984

■ 34, 23.271,
197.984

■ 34, 23.217,
197.993

■ 34, 22.433,
197.981

■ 34, 21.490,
197.990

■ 35, 20.115,
198.071

■ 35, 18.301,
198.223

■ 35, 16.065,
198.443

■ 36, 13.440,
198.728

■ 36, 10.469,
199.074

■ 37, 7.205, 199.477

Harmonies

Complementary

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



34, 23.271, 197.984



17, 45.395, 34.628

Rectangle

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



34, 23.271, 197.984



34, 23.271, 247.984



34, 23.271, 17.984



34, 23.271, 67.984

Sweetspot

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



34, 23.217, 197.993



47, 12.898, 199.039



33, 56.312, 136.016



23, 8.629, 198.945



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 23.217, 197.993



44, 27.812, 198.044



19, 31.690, 280.514



18, 2.098, 200.015



41, 26.511, 198.032



85, 46.684, 198.141

Inverse Universe

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



20, 53.896, 328.645



27, 64.576, 328.658



24, 38.357, 62.566



17, 3.840, 325.160



25, 61.552, 328.655



56, 108.434, 328.683

Previews

White Background



This preview shows how the CIE LCh color 34, 23.271, 197.984 looks on a white background.

Color Contrast Check

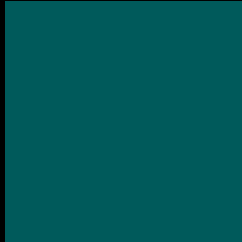
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 34, 23.271, 197.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

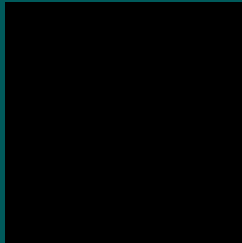
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 23.271, 197.984

Background



This preview shows how black text looks on a background with the CIELCh color 34, 23.271, 197.984.



This preview shows how white text looks on a background with the CIELCh color 34, 23.271, 197.984.

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

34, 23.271, 197.984

Protanopia

34, 2.510, 290.620

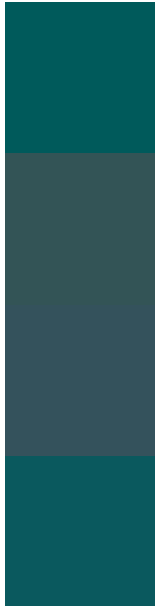
Deuteranopia

34, 9.590, 301.520



Tritanopia
34, 21.137, 208.936

Trichromacy



Original Color
34, 23.271, 197.984

Protanomaly
33, 12.468, 203.574

Deuteranomaly
33, 12.411, 228.885

Tritanomaly
34, 21.732, 205.075

Monochromacy



Original Color
34, 23.271, 197.984

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 12.632, 197.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 23.271, 197.984 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(0, 90, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 90, 91)  
}
```

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(0, 90, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 90, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 23.271, 197.984 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(0, 90, 91) }
```

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

```
.border{ border-color:rgb(0, 90, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 90, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 90, 91); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 90, 91); box-shadow:4px  
4px 4px 4px rgb(0, 90, 91) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 23.271, 197.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 90, 91) }
```

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

```
.background{ background-color: rgb(0, 90,  
91) }
```

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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