

Converting Colors

CIELCh(33, 31.366, 194.798)

Have a look what the booklet for
CIELCh(33, 31.366, 194.798)
contains.

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Color

CIELCh(34, 23.612, 194.811)

Conversions

Conversions Part 1

Format	Color
Hex	005A59
RGB	0, 90, 89
RGB Percent	0%, 35%, 35%
CMY	1.0000, 0.6476, 0.6515
CMYK	1.00, 0.00, 0.01, 0.65
HSL	179°, 100%, 18%
HSV	179°, 100%, 35%
XYZ	5.4401, 8.0082, 10.6824
YIQ	62.9760, -53.3190, -19.3910

Conversions

Conversions Part 2

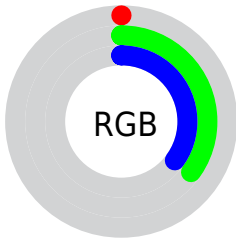
Format	Color
RYB	0, 45, 90
Decimal	23129
CIELab	34.00, -22.83, -6.04
CIELCh	34, 23.612, 194.811
Yxy	8.0082, 0.2254, 0.3319
Android (android.graphics.Color)	4278213209 (0xFF005A59)
YUV	62.9760, 12.8298, -55.2300
Hunter-Lab	28.2988, -15.2086, -2.5720

Details

The CIELCh color **34, 23.612, 194.811** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 45.012, 33.690**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 23.688, 194.329**, and **15, 14.690, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **34, 23.589, 194.811**, and if you desaturate by 10%, it is **34, 22.749, 195.019**.

Distribution



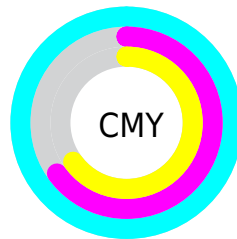
- Red (0%)
- Green (35%)
- Blue (35%)



- Red (0%)
- Yellow (18%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (65%)





- Cyan (100%)
- Magenta (65%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 23.612, 194.811 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, 23.612, 194.811 by changing the saturation by 10% instead.


 34, 23.612,
194.811


 34, 23.612,
194.811

 100, 23.612,
194.811


 24, 23.612,
194.811

 54, 23.612,
194.811


 14, 23.612,
194.811


 64, 23.612,
194.811

 4, 23.612, 194.811

 74, 23.612,
194.811

 0, 23.612, 194.811

 84, 23.612,
194.811

 94, 23.612,
194.811

■ 34, 23.612,
194.811

■ 34, 23.612,
194.811

■ 34, 23.589,
194.811

■ 34, 22.749,
195.019

■ 34, 21.755,
195.246

■ 34, 20.333,
195.510

■ 35, 18.475,
195.818

■ 35, 16.199,
196.169

■ 36, 13.538,
196.566

■ 36, 10.536,
197.005

■ 37, 7.244, 197.489

Harmonies

Complementary

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



34, 23.612, 194.811



16, 45.012, 33.690

Rectangle

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



34, 23.612, 194.811



34, 23.612, 244.811



34, 23.612, 14.811



34, 23.612, 64.811

Sweetspot

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



34, 23.589, 194.811



47, 13.078, 196.961



32, 55.831, 135.857



23, 8.752, 196.843



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, 23.589, 194.811



44, 28.459, 194.760



19, 30.470, 278.686



18, 2.124, 198.103



41, 27.123, 194.772



85, 47.832, 194.668

Inverse Universe

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



16, 45.012, 33.690



23, 56.657, 37.143



23, 38.139, 61.089



17, 2.233, 18.926



21, 53.493, 36.415



50, 98.527, 39.663

Previews

White Background



This preview shows how the CIELCh color 34, 23.612, 194.811 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, 23.612, 194.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

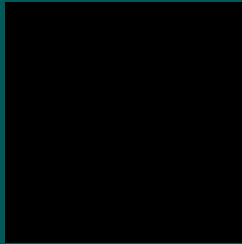
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 23.612, 194.811

Background



This preview shows how black text looks on a background with the CIELCh color 34, 23.612, 194.811.



This preview shows how white text looks on a background with the CIELCh color 34, 23.612, 194.811.

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, 23.612, 194.811

Protanopia

34, 1.937, 303.209

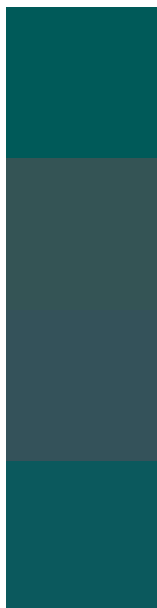
Deuteranopia

34, 8.359, 302.880



Tritanopia
34, 20.911, 209.095

Trichromacy



Original Color
34, 23.612, 194.811

Protanomaly
33, 12.193, 200.730

Deuteranomaly
33, 11.998, 223.101

Tritanomaly
34, 21.728, 203.363

Monochromacy



Original Color
34, 23.612, 194.811

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 12.752, 194.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 23.612, 194.811 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 90, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 90, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 23.612, 194.811 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, 89) }
```

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

```
.border{ border-color:rgb(0, 90, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 90, 89); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 90, 89); box-shadow:4px  
4px 4px 4px rgb(0, 90, 89) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 23.612, 194.811 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, 89) }
```

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

```
.background{ background-color: rgb(0, 90,  
89) }
```

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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