

Converting Colors

CIELCh(33, 42.490, 199.481)

Have a look what the booklet for
CIELCh(33, 42.490, 199.481)
contains.

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Color

CIELCh(35, 23.238, 205.965)

Conversions

Conversions Part 1

Format	Color
Hex	005C62
RGB	0, 92, 98
RGB Percent	0%, 36%, 38%
CMY	1.0000, 0.6397, 0.6161
CMYK	1.00, 0.06, 0.00, 0.62
HSL	184°, 100%, 19%
HSV	184°, 100%, 38%
XYZ	5.9864, 8.4984, 12.8513
YIQ	65.1760, -56.7580, -17.6380

Conversions

Conversions Part 2

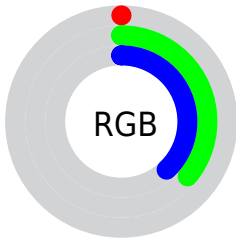
Format	Color
RYB	0, 47, 98
Decimal	23650
CIELab	35.00, -20.89, -10.17
CIELCh	35, 23.238, 205.965
Yxy	8.4984, 0.2190, 0.3109
Android (android.graphics.Color)	4278213730 (0xFF005C62)
YUV	65.1760, 16.1822, -57.1594
Hunter-Lab	29.1520, -14.3610, -5.7308

Details

The CIELCh color **35, 23.238, 205.965** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **19, 47.801, 37.186**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 23.055, 206.003**, and **17, 14.532, 213.746** is the 20% darker color. If you saturate the color by 10%, you get **35, 23.040, 206.068**, and if you desaturate by 10%, it is **35, 22.386, 205.423**.

Distribution



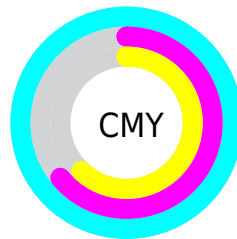
- Red (0%)
- Green (36%)
- Blue (38%)



- Red (0%)
- Yellow (18%)
- Blue (38%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (62%)





- Cyan (100%)
- Magenta (64%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 23.238, 205.965 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 35, 23.238, 205.965 by changing the saturation by 10% instead.


 35, 23.238,
205.965


 35, 23.238,
205.965

 100, 23.238,
205.965


 25, 23.238,
205.965

 55, 23.238,
205.965


 15, 23.238,
205.965


 65, 23.238,
205.965

 5, 23.238, 205.965

 75, 23.238,
205.965

 0, 23.238, 205.965

 85, 23.238,
205.965

 95, 23.238,
205.965

■ 35, 23.238,
205.965

■ 35, 23.238,
205.965

■ 35, 23.040,
206.068

■ 35, 22.386,
205.423

■ 36, 21.533,
204.838

■ 36, 20.218,
204.423

■ 37, 18.439,
204.162

■ 37, 16.215,
204.038

■ 38, 13.584,
204.034

■ 39, 10.593,
204.134

■ 40, 7.296, 204.327

Harmonies

Complementary

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



35, 23.238, 205.965



19, 47.801, 37.186

Rectangle

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



35, 23.238, 205.965



35, 23.238, 255.965



35, 23.238, 25.965



35, 23.238, 75.965

Sweetspot

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



35, 23.040, 206.068



50, 13.122, 204.121



35, 58.178, 136.858



25, 8.782, 204.086



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



35, 23.040, 206.068



46, 27.746, 206.384



19, 37.079, 285.750



20, 2.090, 204.662



40, 25.342, 206.239



82, 44.120, 206.915

Inverse Universe

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



21, 54.758, 330.668



29, 65.983, 330.746



27, 40.762, 66.964



18, 3.884, 326.569



25, 60.250, 330.710



56, 105.020, 330.876

Previews

White Background



This preview shows how the CIELCh color 35, 23.238, 205.965 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 35, 23.238, 205.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

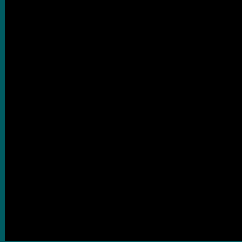
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 23.238, 205.965

Background



This preview shows how black text looks on a background with the CIELCh color 35, 23.238, 205.965.



This preview shows how white text looks on a background with the CIELCh color 35, 23.238, 205.965.

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

35, 23.060, 206.058

Protanopia

35, 5.626, 286.944

Deuteranopia

35, 11.880, 294.035



Tritanopia
35, 22.344, 208.119

Trichromacy



Original Color
35, 23.060, 206.058

Protanomaly
34, 13.114, 220.549

Deuteranomaly
34, 14.223, 236.569

Tritanomaly
35, 22.587, 207.968

Monochromacy



Original Color
35, 23.060, 206.058

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 12.790, 203.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 23.238, 205.965 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, 92, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 92, 98)  
}
```

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, 92, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 92, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 23.238, 205.965 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, 92, 98) }
```

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

```
.border{ border-color:rgb(0, 92, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 92, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 92, 98); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 92, 98); box-shadow:4px  
4px 4px 4px rgb(0, 92, 98) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 23.238, 205.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 92, 98) }
```

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

```
.background{ background-color: rgb(0, 92,  
98) }
```

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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