

Converting Colors

CIELCh(35, 12.094, 200.940)

Have a look what the booklet for
CIELCh(35, 12.094, 200.940)
contains.

CIELCh(35, 12.169, 200.766)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(35, 12.169, 200.766)

Conversions

Conversions Part 1

Format	Color
Hex	385859
RGB	56, 88, 89
RGB Percent	22%, 35%, 35%
CMY	0.7812, 0.6557, 0.6518
CMYK	0.37, 0.01, 0.00, 0.65
HSL	182°, 23%, 28%
HSV	182°, 37%, 35%
XYZ	6.8870, 8.4984, 10.6833
YIQ	78.5460, -19.3930, -6.4730

Conversions

Conversions Part 2

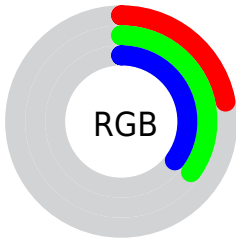
Format	Color
RYB	56, 72, 89
Decimal	3692633
CIELab	35.00, -11.38, -4.31
CIELCh	35, 12.169, 200.766
Yxy	8.4984, 0.2642, 0.3260
Android (android.graphics.Color)	4281882713 (0xFF385859)
YUV	78.5460, 5.1538, -19.7728
Hunter-Lab	29.1520, -8.8465, -1.3216

Details

The CIELCh color **35, 12.169, 200.766** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 15.499, 24.642**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 12.074, 200.999**, and **15, 11.913, 203.835** is the 20% darker color. If you saturate the color by 10%, you get **34, 14.797, 200.558**, and if you desaturate by 10%, it is **36, 9.222, 201.040**.

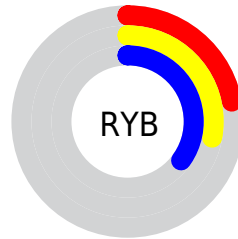
Distribution



Red (22%)

Green (35%)

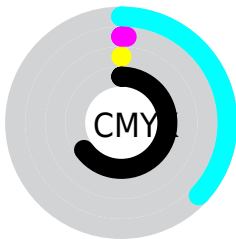
Blue (35%)



Red (22%)

Yellow (28%)

Blue (35%)

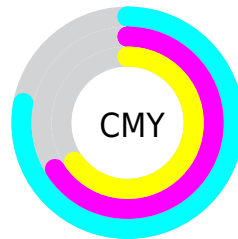


Cyan (37%)

Magenta (1%)

Yellow (0%)

Black (65%)



Cyan (78%)


Magenta (66%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 12.169, 200.766 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, 12.169, 200.766 by changing the saturation by 10% instead.


 35, 12.169,
200.766


 35, 12.169,
200.766

 100, 12.169,
200.766


 25, 12.169,
200.766

 55, 12.169,
200.766


 15, 12.169,
200.766


 65, 12.169,
200.766

 5, 12.169, 200.766

 75, 12.169,
200.766

 0, 12.169, 200.766

 85, 12.169,
200.766

 95, 12.169,
200.766

■ 35, 12.169,
200.766

■ 35, 12.169,
200.766

■ 34, 14.797,
200.558

■ 36, 9.222, 201.040

■ 36, 6.005, 201.386

■ 34, 17.060,
200.434

■ 37, 2.568, 201.832

■ 34, 18.921,
200.399

■ 38, 1.041, 21.834

■ 33, 20.358,
200.459

■ 39, 4.780, 22.516

■ 40, 8.612, 23.020

■ 33, 21.366,
200.622

■ 41, 12.506, 23.523

■ 33, 22.113,
200.844

■ 42, 16.436, 24.032

■ 43, 20.382, 24.545

■ 33, 22.327,
200.902

Harmonies

Complementary

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



35, 12.169, 200.766



28, 15.499, 24.642

Rectangle

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



35, 12.169, 200.766



35, 12.169, 250.766



35, 12.169, 20.766



35, 12.169, 70.766

Sweetspot

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



35, 12.169, 200.763



47, 4.828, 201.625



34, 24.719, 142.398



24, 3.263, 201.590



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



35, 12.169, 200.763



44, 17.502, 200.571



30, 12.238, 262.830



17, 1.961, 201.748



39, 25.432, 201.015



82, 45.094, 201.341

Inverse Universe

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



28, 24.476, 327.138



35, 36.264, 327.581



32, 13.336, 72.866



16, 3.610, 325.679



24, 59.674, 329.411



55, 105.920, 329.492

Previews

White Background



This preview shows how the CIELCh color 35, 12.169, 200.766 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 CIE LCh color 35, 12.169, 200.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

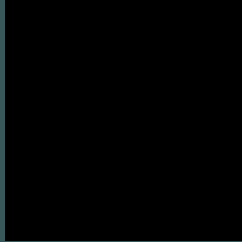
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

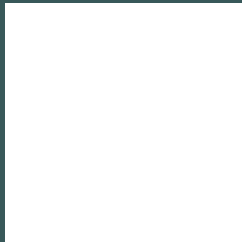
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 12.169, 200.766

Background



This preview shows how black text looks on a background with the CIELCh color 35, 12.169, 200.766.



This preview shows how white text looks on a background with the CIELCh color 35, 12.169, 200.766.

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, 12.169, 200.766

Protanopia

35, 1.929, 303.205

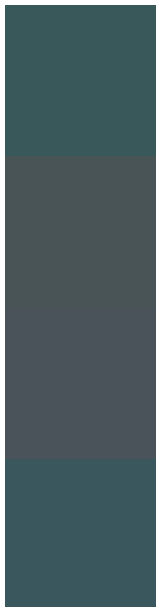
Deuteranopia

35, 6.766, 312.901



Tritanopia
35, 11.814, 219.927

Trichromacy



Original Color
35, 12.169, 200.766

Protanomaly
35, 4.659, 214.460

Deuteranomaly
35, 5.374, 253.802

Tritanomaly
35, 11.583, 213.746

Monochromacy



Original Color
35, 12.169, 200.766

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 4.980, 198.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 12.169, 200.766 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(56, 88, 89)` looks like.

```
.text, #text, p{  
    color:rgb(56, 88, 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(56, 88, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 88, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 12.169, 200.766 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(56, 88, 89) }
```

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

```
.border{ border-color:rgb(56, 88, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 88, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 88, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 88, 89);  
box-shadow:4px 4px 4px 4px rgb(56, 88, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 12.169, 200.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 88, 89) }
```

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

```
.background{ background-color: rgb(56, 88,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor