

Converting Colors

CIELCh(35, 21.017, 208.998)

Have a look what the booklet for
CIELCh(35, 21.017, 208.998)
contains.

CIELCh(35, 21.071, 208.968)	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(35, 21.071, 208.968)

Conversions

Conversions Part 1

Format	Color
Hex	135B62
RGB	19, 91, 98
RGB Percent	7%, 36%, 38%
CMY	0.9256, 0.6432, 0.6158
CMYK	0.81, 0.07, 0.00, 0.62
HSL	185°, 68%, 23%
HSV	185°, 81%, 38%
XYZ	6.2110, 8.4984, 12.8634
YIQ	70.2700, -45.1590, -13.0870

Conversions

Conversions Part 2

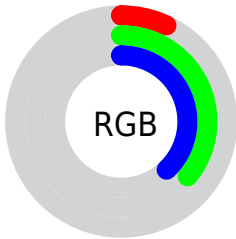
Format	Color
RYB	19, 57, 98
Decimal	1268578
CIELab	35.00, -18.43, -10.21
CIElCh	35, 21.071, 208.968
Yxy	8.4984, 0.2253, 0.3082
Android (android.graphics.Color)	4279458658 (0xFF135B62)
YUV	70.2700, 13.6709, -44.9638
Hunter-Lab	29.1520, -12.9857, -5.7556

Details

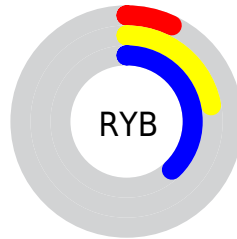
The CIELCh color **35, 21.071, 208.968** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 39.458, 35.862**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 20.883, 210.392**, and **16, 14.369, 217.059** is the 20% darker color. If you saturate the color by 10%, you get **35, 21.865, 209.938**, and if you desaturate by 10%, it is **36, 19.825, 208.231**.

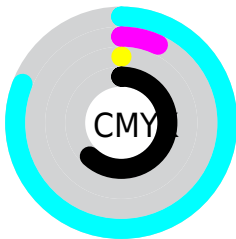
Distribution



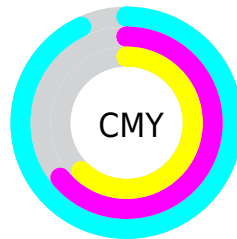
- Red (7%)
- Green (36%)
- Blue (38%)



- Red (7%)
- Yellow (22%)
- Blue (38%)



- Cyan (81%)
- Magenta (7%)
- Yellow (0%)
- Black (62%)




- Cyan (93%)
- Magenta (64%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 21.071, 208.968 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, 21.071, 208.968 by changing the saturation by 10% instead.


 35, 21.071,
208.968


 35, 21.071,
208.968

 100, 21.071,
208.968


 25, 21.071,
208.968

 55, 21.071,
208.968


 15, 21.071,
208.968


 65, 21.071,
208.968

 5, 21.071, 208.968

 75, 21.071,
208.968

 0, 21.071, 208.968

 85, 21.071,
208.968

 95, 21.071,
208.968

■ 35, 21.071,
208.968

■ 35, 21.071,
208.968

■ 35, 21.865,
209.938

■ 36, 19.825,
208.231

■ 34, 22.453,
210.907

■ 36, 18.121,
207.703

■ 37, 15.979,
207.358

■ 38, 13.434,
207.168

■ 38, 10.536,
207.110

■ 39, 7.336, 207.166

■ 40, 3.886, 207.336

■ 41, 0.238, 208.842

Harmonies

Complementary

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



35, 21.071, 208.968



22, 39.458, 35.862

Rectangle

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



35, 21.071, 208.968



35, 21.071, 258.968



35, 21.071, 28.968



35, 21.071, 78.968

Sweetspot

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



35, 21.071, 208.967



50, 10.459, 207.130



36, 50.883, 139.306



25, 7.065, 207.117



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, 21.071, 208.967



44, 26.858, 211.028



22, 31.397, 281.680



19, 2.039, 207.384



39, 24.676, 211.168



80, 42.935, 212.211

Inverse Universe

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



23, 48.897, 331.063



29, 64.044, 331.853



30, 33.777, 73.260



18, 3.812, 327.374



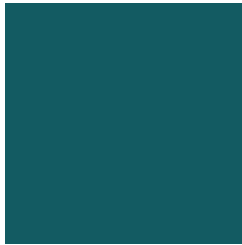
25, 59.027, 331.920



56, 102.757, 332.175

Previews

White Background



This preview shows how the CIELCh color 35, 21.071, 208.968 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, 21.071, 208.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

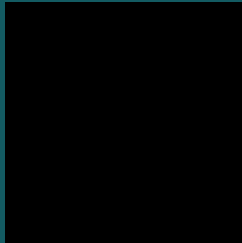
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 21.071, 208.968

Background



This preview shows how black text looks on a background with the CIELCh color 35, 21.071, 208.968.



This preview shows how white text looks on a background with the CIELCh color 35, 21.071, 208.968.

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, 21.071, 208.968

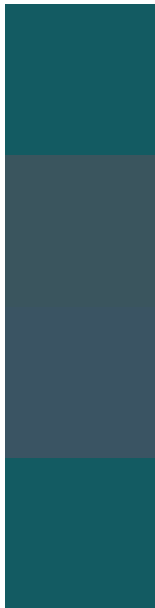
Protanopia
35, 6.878, 291.337

Deuteranopia
35, 12.528, 294.050



Tritanopia
35, 21.071, 208.968

Trichromacy



Original Color
35, 21.071, 208.968

Protanomaly
34, 11.333, 228.265

Deuteranomaly
34, 12.999, 245.156

Tritanomaly
35, 21.071, 208.968

Monochromacy



Original Color
35, 21.071, 208.968

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 10.545, 204.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 21.071, 208.968 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(19, 91, 98)` looks like.

```
.text, #text, p{  
    color:rgb(19, 91, 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(19, 91, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 91, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 21.071, 208.968 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(19, 91, 98) }
```

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

```
.border{ border-color:rgb(19, 91, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 91, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 91, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 91, 98);  
box-shadow:4px 4px 4px 4px rgb(19, 91, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 21.071, 208.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 91, 98) }
```

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

```
.background{ background-color: rgb(19, 91,  
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](#).

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