

Converting Colors

CIELCh(35, 12.319, 219.350)

Have a look what the booklet for
CIELCh(35, 12.319, 219.350)
contains.

CIELCh(35, 12.110, 219.333)	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, 12.110, 219.333)

Conversions

Conversions Part 1

Format	Color
Hex	38575E
RGB	56, 87, 94
RGB Percent	22%, 34%, 37%
CMY	0.7798, 0.6582, 0.6307
CMYK	0.40, 0.07, 0.00, 0.63
HSL	191°, 25%, 29%
HSV	191°, 40%, 37%
XYZ	7.0883, 8.4984, 11.8942
YIQ	78.5290, -20.7230, -4.3950

Conversions

Conversions Part 2

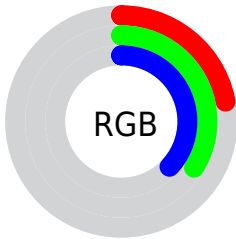
Format	Color
R_{YB}	56, 73, 94
Decimal	3692382
CIE _{Lab}	35.00, -9.37, -7.68
CIE _{LCh}	35, 12.110, 219.333
Yxy	8.4984, 0.2579, 0.3092
Android (android.graphics.Color)	4281882462 (0xFF38575E)
YUV	78.5290, 7.6272, -19.7579
Hunter-Lab	29.1520, -7.6138, -3.7843

Details

The CIELCh color **35, 12.110, 219.333** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 15.878, 37.870**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 12.065, 217.974**, and **15, 12.124, 217.863** is the 20% darker color. If you saturate the color by 10%, you get **34, 14.468, 220.210**, and if you desaturate by 10%, it is **36, 9.452, 218.683**.

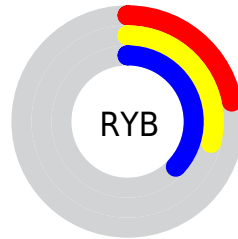
Distribution



Red (22%)

Green (34%)

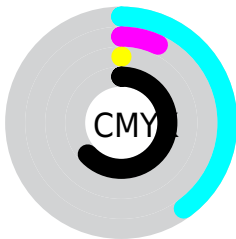
Blue (37%)



Red (22%)

Yellow (29%)

Blue (37%)

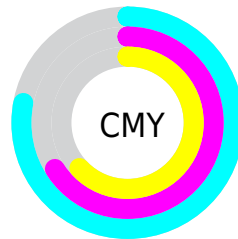


Cyan (40%)

Magenta (7%)

Yellow (0%)

Black (63%)



Cyan (78%)


Magenta (66%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 12.110, 219.333 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, 12.110, 219.333 by changing the saturation by 10% instead.


 35, 12.110,
219.333


 35, 12.110,
219.333

 100, 12.110,
219.333


 25, 12.110,
219.333


 55, 12.110,
219.333


 15, 12.110,
219.333


 65, 12.110,
219.333

 5, 12.110, 219.333

 75, 12.110,
219.333

 0, 12.110, 219.333

 85, 12.110,
219.333

 95, 12.110,
219.333

■ 35, 12.110,
219.333

■ 35, 12.110,
219.333

■ 34, 14.468,
220.210

■ 36, 9.452, 218.683

■ 33, 16.486,
221.375

■ 37, 6.539, 218.231

■ 39, 3.415, 217.957

■ 32, 18.131,
222.883

■ 40, 0.122, 220.262

■ 31, 19.389,
224.798

■ 41, 3.305, 37.464

■ 43, 6.833, 37.482

■ 30, 20.272,
227.179

■ 44, 10.435, 37.522

■ 30, 21.020,
229.555

■ 46, 14.091, 37.599

■ 47, 17.781, 37.705

Harmonies

Complementary

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



35, 12.110, 219.333



30, 15.878, 37.870

Rectangle

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



35, 12.110, 219.333



35, 12.110, 269.333



35, 12.110, 39.333



35, 12.110, 89.333

Sweetspot

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



35, 12.110, 219.330



49, 4.886, 217.996



36, 25.019, 146.953



25, 3.205, 218.012



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



35, 12.110, 219.330



44, 17.184, 220.122



29, 17.103, 278.538



18, 1.815, 217.935



35, 23.406, 230.259



73, 41.371, 232.756

Inverse Universe

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



29, 25.066, 332.377



36, 36.578, 332.956



35, 17.090, 87.602



17, 3.405, 330.450



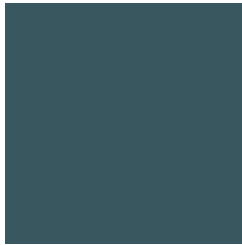
24, 54.121, 336.714



54, 94.577, 337.383

Previews

White Background



This preview shows how the CIE LCh color 35, 12.110, 219.333 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, 12.110, 219.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

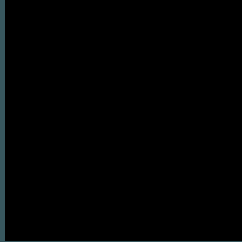
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

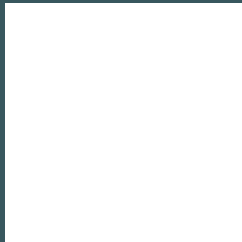
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 12.110, 219.333

Background



This preview shows how black text looks on a background with the CIELCh color 35, 12.110, 219.333.



This preview shows how white text looks on a background with the CIELCh color 35, 12.110, 219.333.

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, 12.110, 219.333

Protanopia
35, 6.254, 291.234

Deuteranopia
35, 10.106, 298.695



Tritanopia
35, 12.110, 219.333

Trichromacy



Original Color
35, 12.110, 219.333

Protanomaly
35, 7.018, 252.578

Deuteranomaly
35, 8.351, 263.371

Tritanomaly
35, 12.110, 219.333

Monochromacy



Original Color
35, 12.110, 219.333

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 4.843, 221.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 12.110, 219.333 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, 87, 94)` looks like.

```
.text, #text, p{  
    color:rgb(56, 87, 94)  
}
```

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, 87, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 87, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 12.110, 219.333 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, 87, 94) }
```

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

```
.border{ border-color:rgb(56, 87, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 87, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 87, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 87, 94);  
box-shadow:4px 4px 4px 4px rgb(56, 87, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 12.110, 219.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 87, 94) }
```

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

```
.background{ background-color: rgb(56, 87,  
94) }
```

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