

Converting Colors

CIELCh(35, 23.790, 155.961)

Have a look what the booklet for
CIELCh(35, 23.790, 155.961)
contains.

CIELCh(35, 23.830, 155.767)	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, 23.830, 155.767)

Conversions

Conversions Part 1

Format	Color
Hex	2F5B42
RGB	47, 91, 66
RGB Percent	18%, 36%, 26%
CMY	0.8153, 0.6428, 0.7408
CMYK	0.48, 0.00, 0.27, 0.64
HSL	146°, 32%, 27%
HSV	146°, 48%, 36%
XYZ	5.9111, 8.4984, 6.4962
YIQ	74.9940, -18.1990, -17.1030

Conversions

Conversions Part 2

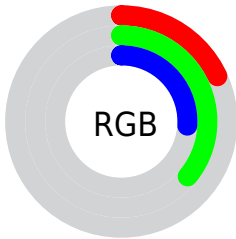
Format	Color
RYB	47, 78, 91
Decimal	3103554
CIELab	35.00, -21.73, 9.78
CIELCh	35, 23.830, 155.767
Yxy	8.4984, 0.2827, 0.4065
Android (android.graphics.Color)	4281293634 (0xFF2F5B42)
YUV	74.9940, -4.4340, -24.5507
Hunter-Lab	29.1520, -14.8222, 7.1943

Details

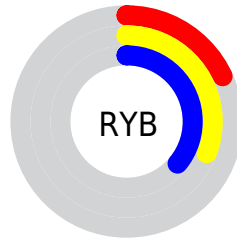
The CIELCh color **35, 23.830, 155.767** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 24.630, 344.312**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 24.097, 155.489**, and **15, 23.734, 154.712** is the 20% darker color. If you saturate the color by 10%, you get **34, 28.318, 154.501**, and if you desaturate by 10%, it is **36, 19.100, 156.888**.

Distribution



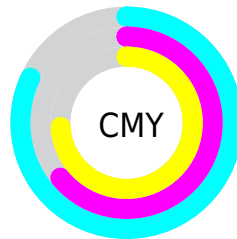
- Red (18%)
- Green (36%)
- Blue (26%)



- Red (18%)
- Yellow (31%)
- Blue (36%)



- Cyan (48%)
- Magenta (0%)
- Yellow (27%)
- Black (64%)





- Cyan (82%)
- Magenta (64%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 23.830, 155.767 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, 23.830, 155.767 by changing the saturation by 10% instead.


 35, 23.830,
155.767


 35, 23.830,
155.767

 100, 23.830,
155.767


 25, 23.830,
155.767

 55, 23.830,
155.767


 15, 23.830,
155.767


 65, 23.830,
155.767

 5, 23.830, 155.767

 75, 23.830,
155.767

 0, 23.830, 155.767

 85, 23.830,
155.767

 95, 23.830,
155.767

■ 35, 23.830,
155.767

■ 35, 23.830,
155.767

■ 34, 28.318,
154.501

■ 36, 19.100,
156.888

■ 34, 32.488,
153.073

■ 36, 14.200,
157.885

■ 34, 36.279,
151.469

■ 37, 9.203, 158.778

■ 33, 39.646,
149.689

■ 38, 4.168, 159.599

■ 39, 0.852, 340.008

■ 33, 42.751,
147.956

■ 40, 5.818, 340.874

■ 33, 43.273,
147.694

■ 41, 10.699,
341.484

■ 42, 15.474,
342.036

■ 43, 20.129,

Harmonies

Complementary

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



35, 23.830, 155.767



26, 24.630, 344.312

Rectangle

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



35, 23.830, 155.767



35, 23.830, 205.767



35, 23.830, 335.767



35, 23.830, 25.767

Sweetspot

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



35, 23.831, 155.767



48, 8.667, 159.101



36, 27.736, 123.904



24, 5.924, 158.985



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, 23.831, 155.767



44, 34.599, 154.300



36, 16.439, 189.197



18, 2.830, 159.555



40, 49.878, 147.127



83, 90.877, 145.584

Inverse Universe

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



26, 24.630, 344.312



31, 35.729, 345.693



25, 21.495, 17.933



17, 2.855, 340.733



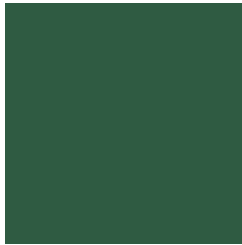
22, 46.695, 353.921



52, 81.476, 356.296

Previews

White Background



This preview shows how the CIELCh color 35, 23.830, 155.767 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, 23.830, 155.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

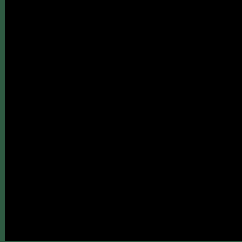
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 23.830, 155.767

Background



This preview shows how black text looks on a background with the CIELCh color 35, 23.830, 155.767.



This preview shows how white text looks on a background with the CIELCh color 35, 23.830, 155.767.

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, 23.830, 155.767

Protanopia

35, 12.707, 95.243

Deuteranopia

35, 9.733, 59.577



Tritanopia
35, 12.695, 218.241

Trichromacy



Original Color
35, 23.830, 155.767

Protanomaly
35, 14.672, 129.577

Deuteranomaly
34, 9.593, 122.152

Tritanomaly
35, 14.430, 187.401

Monochromacy



Original Color
35, 23.830, 155.767

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 8.971, 158.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 23.830, 155.767 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(47, 91, 66)` looks like.

```
.text, #text, p{  
    color:rgb(47, 91, 66)  
}
```

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(47, 91, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 91, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 23.830, 155.767 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(47, 91, 66) }
```

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

```
.border{ border-color:rgb(47, 91, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 91, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 91, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 91, 66);  
box-shadow:4px 4px 4px 4px rgb(47, 91, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 23.830, 155.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 91, 66) }
```

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

```
.background{ background-color: rgb(47, 91,  
66) }
```

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