

Converting Colors

CIELCh(35, 21.682, 160.700)

Have a look what the booklet for
CIELCh(35, 21.682, 160.700)
contains.

CIELCh(35, 22.088, 160.295)	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, 22.088, 160.295)

Conversions

Conversions Part 1

Format	Color
Hex	2F5B46
RGB	47, 91, 70
RGB Percent	18%, 36%, 27%
CMY	0.8163, 0.6437, 0.7260
CMYK	0.48, 0.00, 0.23, 0.64
HSL	151°, 32%, 27%
HSV	151°, 48%, 36%
XYZ	5.9952, 8.4984, 7.0956
YIQ	75.4500, -19.4830, -15.8590

Conversions

Conversions Part 2

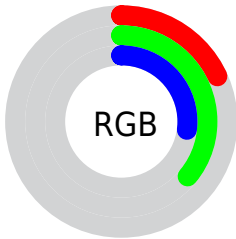
Format	Color
R_{YB}	47, 76, 91
Decimal	3103558
CIE Lab	35.00, -20.79, 7.45
CIE LCh	35, 22.088, 160.295
Yxy	8.4984, 0.2777, 0.3936
Android (android.graphics.Color)	4281293638 (0xFF2F5B46)
YUV	75.4500, -2.6869, -24.9507
Hunter-Lab	29.1520, -14.3069, 5.9752

Details

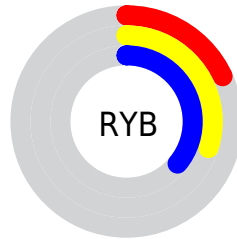
The CIELCh color **35, 22.088, 160.295** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 23.413, 349.657**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 21.858, 160.187**, and **15, 21.741, 159.696** is the 20% darker color. If you saturate the color by 10%, you get **35, 26.161, 159.002**, and if you desaturate by 10%, it is **36, 17.765, 161.449**.

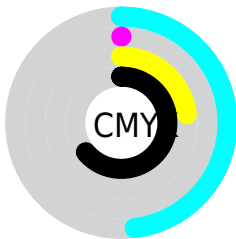
Distribution



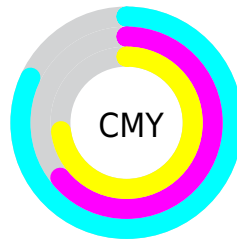
- Red (18%)
- Green (36%)
- Blue (27%)



- Red (18%)
- Yellow (30%)
- Blue (36%)



- Cyan (48%)
- Magenta (0%)
- Yellow (23%)
- Black (64%)





- Cyan (82%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 22.088, 160.295 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, 22.088, 160.295 by changing the saturation by 10% instead.


 35, 22.088,
160.295


 35, 22.088,
160.295

 100, 22.088,
160.295


 25, 22.088,
160.295

 55, 22.088,
160.295


 15, 22.088,
160.295


 65, 22.088,
160.295

 5, 22.088, 160.295

 75, 22.088,
160.295

 0, 22.088, 160.295

 85, 22.088,
160.295

 95, 22.088,
160.295

■ 35, 22.088,
160.295

■ 35, 22.088,
160.295

■ 35, 26.161,
159.002

■ 36, 17.765,
161.449

■ 34, 29.919,
157.553

■ 36, 13.258,
162.486

■ 34, 33.307,
155.929

■ 37, 8.634, 163.426

■ 34, 36.296,
154.123

■ 38, 3.952, 164.303

■ 33, 39.068,
152.353

■ 39, 0.740, 344.700

■ 33, 39.504,
152.101

■ 40, 5.401, 345.684

■ 41, 10.000,
346.363

■ 42, 14.514,
346.985

■ 43, 18.929,

Harmonies

Complementary

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



35, 22.088, 160.295



26, 23.413, 349.657

Rectangle

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



35, 22.088, 160.295



35, 22.088, 210.295



35, 22.088, 340.295



35, 22.088, 30.295

Sweetspot

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



35, 22.089, 160.294



48, 8.680, 163.690



36, 28.467, 127.570



24, 5.861, 163.574



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, 22.089, 160.294



44, 31.960, 158.813



35, 15.605, 199.073



18, 2.649, 164.267



40, 45.594, 151.515



83, 82.955, 149.926

Inverse Universe

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



26, 23.413, 349.657



31, 34.088, 351.320



25, 21.614, 25.201



17, 2.683, 345.538



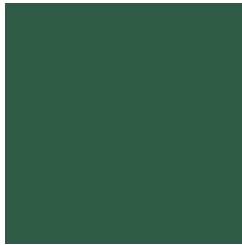
22, 45.521, 1.881



51, 79.949, 4.984

Previews

White Background



This preview shows how the CIE LCh color 35, 22.088, 160.295 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, 22.088, 160.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

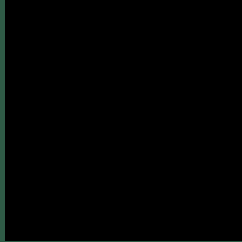
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 22.088, 160.295

Background



This preview shows how black text looks on a background with the CIELCh color 35, 22.088, 160.295.



This preview shows how white text looks on a background with the CIELCh color 35, 22.088, 160.295.

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, 22.088, 160.295

Protanopia
35, 10.190, 95.369

Deuteranopia
35, 7.763, 54.064



Tritanopia
35, 13.266, 217.234

Trichromacy



Original Color
35, 22.088, 160.295

Protanomaly
35, 12.614, 135.547

Deuteranomaly
34, 8.110, 131.368

Tritanomaly
35, 14.547, 190.008

Monochromacy



Original Color
35, 22.088, 160.295

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 8.558, 162.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 22.088, 160.295 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(47, 91, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 91, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 22.088, 160.295 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, 70) }
```

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

```
.border{ border-color:rgb(47, 91, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 91, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 91, 70);  
box-shadow:4px 4px 4px 4px rgb(47, 91, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 22.088, 160.295 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, 70) }
```

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

```
.background{ background-color: rgb(47, 91,  
70) }
```

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