

Converting Colors

CIELCh(35, 23.867, 156.427)

Have a look what the booklet for
CIELCh(35, 23.867, 156.427)
contains.

CIELCh(35, 24.082, 156.226)	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, 24.082, 156.226)

Conversions

Conversions Part 1

Format	Color
Hex	2E5B42
RGB	46, 91, 66
RGB Percent	18%, 36%, 26%
CMY	0.8188, 0.6423, 0.7404
CMYK	0.49, 0.00, 0.27, 0.64
HSL	147°, 33%, 27%
HSV	147°, 49%, 36%
XYZ	5.8835, 8.4984, 6.5144
YIQ	74.6950, -18.7950, -17.3150

Conversions

Conversions Part 2

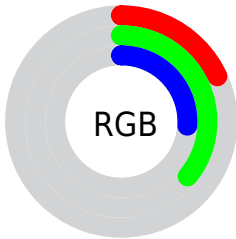
Format	Color
R_{YB}	46, 77, 91
Decimal	3038018
CIE _{Lab}	35.00, -22.04, 9.71
CIE _{LCh}	35, 24.082, 156.226
Yxy	8.4984, 0.2816, 0.4067
Android (android.graphics.Color)	4281228098 (0xFF2E5B42)
YUV	74.6950, -4.2866, -25.1655
Hunter-Lab	29.1520, -14.9909, 7.1574

Details

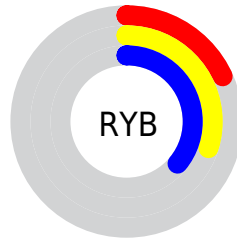
The CIELCh color **35, 24.082, 156.226** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 24.971, 345.126**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 24.360, 155.993**, and **15, 23.734, 154.712** is the 20% darker color. If you saturate the color by 10%, you get **34, 28.490, 154.939**, and if you desaturate by 10%, it is **36, 19.424, 157.366**.

Distribution



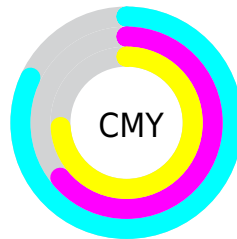
- Red (18%)
- Green (36%)
- Blue (26%)



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



- Cyan (49%)
- Magenta (0%)
- Yellow (27%)
- Black (64%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 24.082, 156.226 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, 24.082, 156.226 by changing the saturation by 10% instead.


 35, 24.082,
156.226

 35, 24.082,
156.226

 100, 24.082,
156.226

 25, 24.082,
156.226

 55, 24.082,
156.226

 15, 24.082,
156.226


 65, 24.082,
156.226

 5, 24.082, 156.226

 75, 24.082,
156.226

 0, 24.082, 156.226

 85, 24.082,
156.226

 95, 24.082,
156.226

■ 35, 24.082,
156.226

■ 35, 24.082,
156.226

■ 34, 28.490,
154.939

■ 36, 19.424,
157.366

■ 34, 32.573,
153.488

■ 36, 14.587,
158.381

■ 34, 36.274,
151.862

■ 37, 9.642, 159.291

■ 34, 39.552,
150.056

■ 38, 4.653, 160.124

■ 39, 0.330, 340.145

■ 33, 42.615,
148.346

■ 40, 5.266, 341.430

■ 33, 42.815,
148.244

■ 41, 10.122,
342.058

■ 42, 14.876,
342.624

■ 43, 19.514,

Harmonies

Complementary

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



35, 24.082, 156.226



26, 24.971, 345.126

Rectangle

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



35, 24.082, 156.226



35, 24.082, 206.226



35, 24.082, 336.226



35, 24.082, 26.226

Sweetspot

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



35, 24.083, 156.226



48, 9.201, 159.621



36, 28.446, 124.495



24, 6.214, 159.511



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, 24.083, 156.226



44, 34.751, 154.738



36, 16.599, 190.714



18, 2.804, 160.165



40, 49.300, 147.679



83, 89.817, 146.126

Inverse Universe

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



26, 24.971, 345.126



31, 36.006, 346.568



25, 22.092, 19.373



17, 2.830, 341.356



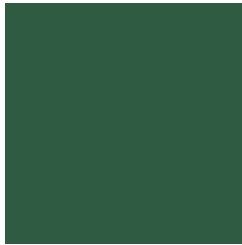
22, 46.474, 354.971



51, 81.140, 357.449

Previews

White Background



This preview shows how the CIELCh color 35, 24.082, 156.226 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, 24.082, 156.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

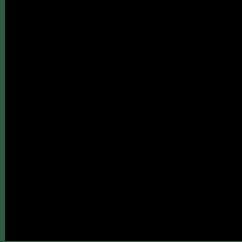
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 24.082, 156.226

Background



This preview shows how black text looks on a background with the CIELCh color 35, 24.082, 156.226.



This preview shows how white text looks on a background with the CIELCh color 35, 24.082, 156.226.

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, 24.082, 156.226

Protanopia

35, 12.707, 95.243

Deuteranopia

35, 9.733, 59.577



Tritanopia
35, 12.981, 217.710

Trichromacy



Original Color
35, 24.082, 156.226

Protanomaly
35, 14.103, 130.519

Deuteranomaly
34, 9.715, 124.685

Tritanomaly
35, 14.732, 187.602

Monochromacy



Original Color
35, 24.082, 156.226

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, 24.082, 156.226 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(46, 91, 66)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 91, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 91, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 24.082, 156.226 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(46, 91, 66) }
```

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

```
.border{ border-color:rgb(46, 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(46, 91, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 91, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 91, 66);  
box-shadow:4px 4px 4px 4px rgb(46, 91, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 24.082, 156.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 91, 66) }
```

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

```
.background{ background-color: rgb(46, 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