

Converting Colors

CIELCh(34, 35.761, 318.663)

Have a look what the booklet for
CIELCh(34, 35.761, 318.663)
contains.

CIELCh(34, 35.908, 318.673)	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(34, 35.908, 318.673)

Conversions

Conversions Part 1

Format	Color
Hex	684176
RGB	104, 65, 118
RGB Percent	41%, 25%, 46%
CMY	0.5926, 0.7455, 0.5377
CMYK	0.12, 0.45, 0.00, 0.54
HSL	284°, 29%, 36%
HSV	284°, 45%, 46%
XYZ	10.8410, 8.0082, 18.0754
YIQ	82.7030, 6.2310, 24.7510

Conversions

Conversions Part 2

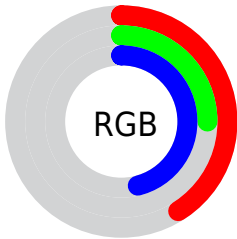
Format	Color
R_{YB}	104, 65, 118
Decimal	6832502
CIE _{Lab}	34.00, 26.97, -23.71
CIE _{LCh}	34, 35.908, 318.673
Yxy	8.0082, 0.2936, 0.2169
Android (android.graphics.Color)	4285022582 (0xFF684176)
YUV	82.7030, 17.4014, 18.6775
Hunter-Lab	28.2988, 18.8588, -18.0614

Details

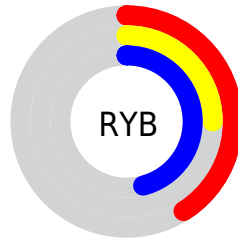
The CIELCh color $34, 35.908, 318.673$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $46, 34.969, 134.622$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 35.615, 318.694$, and $14, 35.483, 318.604$ is the 20% darker color. If you saturate the color by 10%, you get $31, 43.590, 319.006$, and if you desaturate by 10%, it is $37, 27.931, 318.287$.

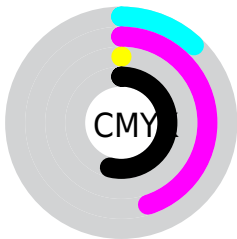
Distribution



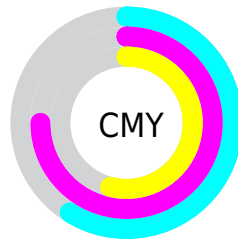
- Red (41%)
- Green (25%)
- Blue (46%)



- Red (41%)
- Yellow (25%)
- Blue (46%)



- Cyan (12%)
- Magenta (45%)
- Yellow (0%)
- Black (54%)





- Cyan (59%)
- Magenta (75%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 35.908, 318.673 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 34, 35.908, 318.673 by changing the saturation by 10% instead.


 34, 35.908,
318.673


 34, 35.908,
318.673

 100, 35.908,
318.673


 24, 35.908,
318.673

 54, 35.908,
318.673


 14, 35.908,
318.673


 64, 35.908,
318.673

 4, 35.908, 318.673

 74, 35.908,
318.673

 0, 35.908, 318.673

 84, 35.908,
318.673

 94, 35.908,
318.673

34, 35.908,
318.673

34, 35.908,
318.673

31, 43.590,
319.006

37, 27.931,
318.287

28, 50.715,
319.249

41, 19.854,
317.874

26, 56.946,
319.357

44, 11.808,
317.452

24, 61.918,
319.280

48, 3.876, 317.021

22, 65.452,
318.993

51, 3.892, 136.695

21, 67.158,
318.856

55, 11.469,
136.303

59, 18.841,
135.955

62, 26.006,
135.635

■ 66, 32.966,
135.344

Harmonies

Complementary

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



34, 35.908, 318.673



46, 34.969, 134.622

Rectangle

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



34, 35.908, 318.673



34, 35.908, 8.673



34, 35.908, 138.673



34, 35.908, 188.673

Sweetspot

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



34, 35.907, 318.673



57, 12.693, 317.384



34, 24.601, 283.171



29, 8.843, 317.460



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



34, 35.907, 318.673



41, 53.010, 319.018



35, 32.288, 334.671



23, 4.403, 317.201



22, 69.006, 318.823



48, 117.276, 318.357

Inverse Universe

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



34, 24.837, 3.924



41, 37.054, 5.957



45, 32.156, 148.036



23, 2.921, 359.236



25, 51.193, 22.034



53, 88.682, 25.438

Previews

White Background



This preview shows how the CIELCh color 34, 35.908, 318.673 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 34, 35.908, 318.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

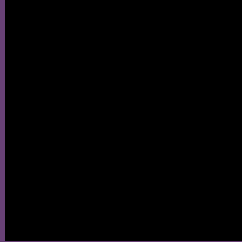
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 35.908, 318.673

Background



This preview shows how black text looks on a background with the CIELCh color 34, 35.908, 318.673.



This preview shows how white text looks on a background with the CIELCh color 34, 35.908, 318.673.

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

34, 35.908, 318.673

Protanopia

34, 32.115, 285.033

Deuteranopia

34, 22.172, 282.202



Tritanopia
34, 11.097, 4.991

Trichromacy



Original Color
34, 35.908, 318.673

Protanomaly
34, 32.656, 296.606

Deuteranomaly
34, 25.858, 298.326

Tritanomaly
34, 18.292, 333.828

Monochromacy



Original Color
34, 35.908, 318.673

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 14.004, 318.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 35.908, 318.673 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(104, 65, 118)` looks like.

```
.text, #text, p{  
    color:rgb(104, 65, 118)  
}
```

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(104, 65, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 65, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 35.908, 318.673 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(104, 65, 118) }
```

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

```
.border{ border-color:rgb(104, 65, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 65, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 65, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 65, 118);  
box-shadow:4px 4px 4px 4px rgb(104, 65,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 35.908, 318.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 65, 118) }
```

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

```
.background{ background-color: rgb(104, 65,  
118) }
```

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](#).

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