

Converting Colors

CIELCh(35, 45.664, 283.811)

Have a look what the booklet for
CIELCh(35, 45.664, 283.811)
contains.

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Color

CIELCh(35, 45.284, 283.602)

Conversions

Conversions Part 1

Format	Color
Hex	215199
RGB	33, 81, 153
RGB Percent	13%, 32%, 60%
CMY	0.8709, 0.6825, 0.4002
CMYK	0.78, 0.47, 0.00, 0.40
HSL	216°, 65%, 36%
HSV	216°, 78%, 60%
XYZ	9.3092, 8.4984, 31.2643
YIQ	74.8560, -51.7200, 12.2160

Conversions

Conversions Part 2

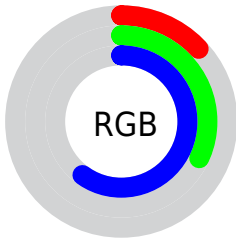
Format	Color
R_YB	33, 67, 153
Decimal	2183577
CIE _{Lab}	35.00, 10.65, -44.01
CIE _{LCh}	35, 45.284, 283.602
Yxy	8.4984, 0.1897, 0.1732
Android (android.graphics.Color)	4280373657 (0xFF215199)
YUV	74.8560, 38.5250, -36.7077
Hunter-Lab	29.1520, 5.9851, -43.1796




Details

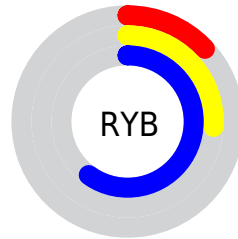
The CIELCh color **35, 45.284, 283.602** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 47.453, 74.492**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **55, 45.202, 283.426**, and **17, 43.438, 291.651** is the 20% darker color. If you saturate the color by 10%, you get **32, 51.437, 287.416**, and if you desaturate by 10%, it is **38, 39.282, 280.071**.

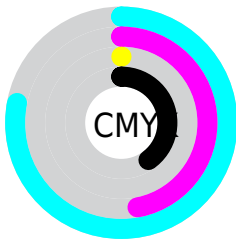
Distribution







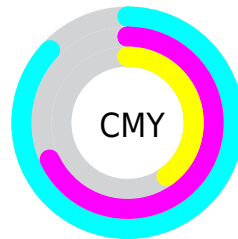
-  Red (13%)
-  Green (32%)
-  Blue (60%)






-  Red (13%)
-  Yellow (26%)
-  Blue (60%)



-  Cyan (78%)
-  Magenta (47%)
-  Yellow (0%)
-  Black (40%)




-  Cyan (87%)
-  Magenta (68%)
-  Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 45.284, 283.602 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, 45.284, 283.602 by changing the saturation by 10% instead.


 35, 45.284,
283.602


 35, 45.284,
283.602

 100, 45.284,
283.602


 25, 45.284,
283.602

 55, 45.284,
283.602


 15, 45.284,
283.602


 65, 45.284,
283.602

 5, 45.284, 283.602

 75, 45.284,
283.602

 0, 45.284, 283.602

 85, 45.284,
283.602

 95, 45.284,
283.602

■ 35, 45.284,
283.602

■ 35, 45.284,
283.602

■ 32, 51.437,
287.416

■ 38, 39.282,
280.071

■ 29, 57.747,
291.250

■ 42, 33.398,
276.911

■ 29, 58.728,
291.788

■ 45, 27.593,
274.150

■ 49, 21.838,
271.773

■ 53, 16.118,
269.740

■ 56, 10.427,
268.009

■ 60, 4.769, 266.547

■ 64, 0.850, 84.939

Harmonies

Complementary

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



35, 45.284, 283.602



48, 47.453, 74.492

Rectangle

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



35, 45.284, 283.602



35, 45.284, 333.602



35, 45.284, 103.602



35, 45.284, 153.602

Sweetspot

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



35, 45.284, 283.603



69, 16.811, 269.015



56, 47.418, 158.542



35, 11.530, 269.605



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



35, 45.284, 283.603



40, 68.118, 290.317



23, 76.243, 304.217



30, 3.183, 266.648



26, 54.681, 291.463



1, 3.456, 266.018

Inverse Universe

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



35, 51.788, 2.114



43, 69.007, 9.024



61, 59.741, 107.923



30, 3.925, 350.165



29, 54.245, 10.379



1, 4.167, 349.816

Previews

White Background



This preview shows how the CIE LCh color 35, 45.284, 283.602 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, 45.284, 283.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

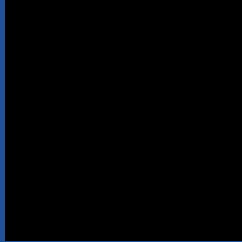
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 45.284, 283.602

Background



This preview shows how black text looks on a background with the CIELCh color 35, 45.284, 283.602.



This preview shows how white text looks on a background with the CIELCh color 35, 45.284, 283.602.

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, 45.284, 283.602

Protanopia

35, 45.017, 286.286

Deuteranopia

35, 40.777, 275.142



Tritanopia
35, 22.819, 207.830

Trichromacy



Original Color
35, 45.284, 283.602

Protanomaly
35, 45.124, 285.431

Deuteranomaly
35, 42.257, 277.886

Tritanomaly
34, 25.394, 248.333

Monochromacy



Original Color
35, 45.284, 283.602

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 17.247, 272.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 45.284, 283.602 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(33, 81, 153)` looks like.

```
.text, #text, p{  
    color:rgb(33, 81, 153)  
}
```

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(33, 81, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 81, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 45.284, 283.602 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(33, 81, 153) }
```

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

```
.border{ border-color:rgb(33, 81, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 81, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 81, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 81, 153);  
box-shadow:4px 4px 4px 4px rgb(33, 81,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 45.284, 283.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 81, 153) }
```

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

```
.background{ background-color: rgb(33, 81,  
153) }
```

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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