

Converting Colors

CIELCh(35, 57.369, 288.686)

Have a look what the booklet for
CIELCh(35, 57.369, 288.686)
contains.

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Color

CIELCh(35, 57.260, 288.636)

Conversions

Conversions Part 1

Format	Color
Hex	144EAA
RGB	20, 78, 170
RGB Percent	8%, 31%, 67%
CMY	0.9216, 0.6941, 0.3334
CMYK	0.88, 0.54, 0.00, 0.33
HSL	217°, 79%, 37%
HSV	217°, 88%, 67%
XYZ	10.2670, 8.4984, 39.1260
YIQ	71.1460, -64.1000, 16.3160

Conversions

Conversions Part 2

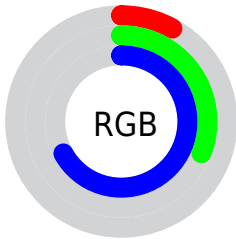
Format	Color
R _Y B	20, 62, 170
Decimal	1330858
CIE Lab	35.00, 18.30, -54.26
CIE LCh	35, 57.260, 288.636
Yxy	8.4984, 0.1773, 0.1468
Android (android.graphics.Color)	4279520938 (0xFF144EAA)
YUV	71.1460, 48.7350, -44.8550
Hunter-Lab	29.1520, 11.8499, -59.1691

Details

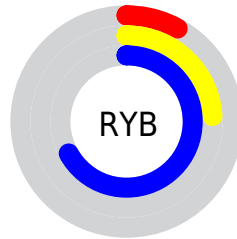
The CIELCh color **35, 57.260, 288.636** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **52, 56.810, 73.649**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 57.434, 288.823**, and **18, 55.595, 296.969** is the 20% darker color. If you saturate the color by 10%, you get **32, 64.340, 292.460**, and if you desaturate by 10%, it is **38, 50.333, 284.840**.

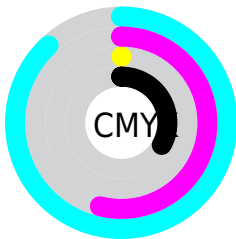
Distribution



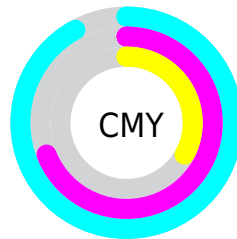
- Red (8%)
- Green (31%)
- Blue (67%)



- Red (8%)
- Yellow (24%)
- Blue (67%)



- Cyan (88%)
- Magenta (54%)
- Yellow (0%)
- Black (33%)





- Cyan (92%)
- Magenta (69%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 57.260, 288.636 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, 57.260, 288.636 by changing the saturation by 10% instead.


 35, 57.260,
288.636


 35, 57.260,
288.636

 100, 57.260,
288.636


 25, 57.260,
288.636

 55, 57.260,
288.636


 15, 57.260,
288.636


 65, 57.260,
288.636

 5, 57.260, 288.636

 75, 57.260,
288.636

 0, 57.260, 288.636

 85, 57.260,
288.636

 95, 57.260,
288.636

■ 35, 57.260,
288.636

■ 35, 57.260,
288.636

■ 32, 64.340,
292.460

■ 38, 50.333,
284.840

■ 31, 65.603,
293.080

■ 42, 43.582,
281.308

■ 46, 36.979,
278.140

■ 50, 30.484,
275.370

■ 54, 24.065,
272.983

■ 58, 17.702,
270.943

■ 62, 11.388,
269.205

■ 66, 5.125, 267.739

Harmonies

Complementary

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



35, 57.260, 288.636



52, 56.810, 73.649

Rectangle

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



35, 57.260, 288.636



35, 57.260, 338.636



35, 57.260, 108.636



35, 57.260, 158.636

Sweetspot

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



35, 57.260, 288.637



75, 20.228, 270.615



62, 54.651, 157.464



38, 13.840, 271.246



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



35, 57.260, 288.637



41, 81.576, 293.817



23, 91.434, 305.749



33, 3.494, 267.878



27, 58.507, 292.609



2, 6.715, 271.173

Inverse Universe

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



37, 59.757, 7.162



47, 76.672, 13.669



66, 69.134, 108.694



33, 4.215, 351.022



31, 56.529, 11.936



2, 7.340, 353.725

Previews

White Background



This preview shows how the CIE LCh color 35, 57.260, 288.636 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, 57.260, 288.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

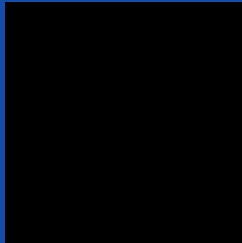
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 57.260, 288.636

Background



This preview shows how black text looks on a background with the CIELCh color 35, 57.260, 288.636.



This preview shows how white text looks on a background with the CIELCh color 35, 57.260, 288.636.

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, 57.260, 288.636

Protanopia

35, 55.639, 286.524

Deuteranopia

35, 39.699, 274.066



Tritanopia
35, 22.882, 206.153

Trichromacy



Original Color
35, 57.260, 288.636

Protanomaly
35, 56.156, 287.130

Deuteranomaly
35, 45.711, 280.438

Tritanomaly
34, 28.277, 256.255

Monochromacy



Original Color
35, 57.260, 288.636

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 21.844, 274.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 57.260, 288.636 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(20, 78, 170)` looks like.

```
.text, #text, p{  
    color:rgb(20, 78, 170)  
}
```

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(20, 78, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 78, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 57.260, 288.636 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(20, 78, 170) }
```

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

```
.border{ border-color:rgb(20, 78, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 78, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 78, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 78, 170);  
box-shadow:4px 4px 4px 4px rgb(20, 78,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 57.260, 288.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 78, 170) }
```

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

```
.background{ background-color: rgb(20, 78,  
170) }
```

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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