

Converting Colors

CIELCh(35, 57.148, 5.990)

Have a look what the booklet for
CIELCh(35, 57.148, 5.990) contains.

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Color

CIELCh(35, 57.005, 6.017)

Conversions

Conversions Part 1

Format	Color
Hex	A0144B
RGB	160, 20, 75
RGB Percent	63%, 8%, 29%
CMY	0.3714, 0.9235, 0.7050
CMYK	0.00, 0.88, 0.53, 0.37
HSL	336°, 78%, 35%
HSV	336°, 88%, 63%
XYZ	16.0769, 8.4984, 7.4921
YIQ	68.1300, 65.7850, 46.7850

Conversions

Conversions Part 2

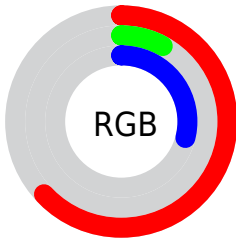
Format	Color
R_{YB}	160, 20, 75
Decimal	10490955
CIE _{Lab}	35.00, 56.69, 5.98
CIE _{LCh}	35, 57.005, 6.017
Yxy	8.4984, 0.5013, 0.2650
Android (android.graphics.Color)	4288681035 (0xFFA0144B)
YUV	68.1300, 3.3869, 80.5700
Hunter-Lab	29.1520, 47.4239, 5.1687

Details

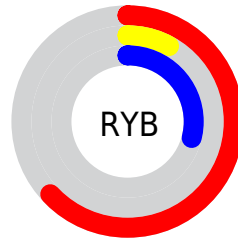
The CIELCh color **35, 57.005, 6.017** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **58, 51.811, 157.894**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 56.720, 6.558**, and **20, 43.824, 16.390** is the 20% darker color. If you saturate the color by 10%, you get **34, 59.387, 10.476**, and if you desaturate by 10%, it is **37, 53.424, 2.353**.

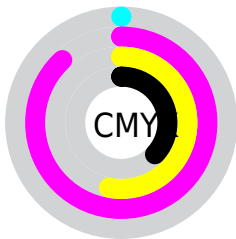
Distribution



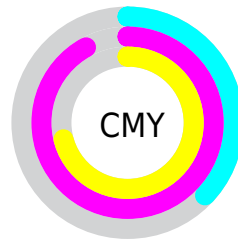
- Red (63%)
- Green (8%)
- Blue (29%)



- Red (63%)
- Yellow (8%)
- Blue (29%)



- Cyan (0%)
- Magenta (88%)
- Yellow (53%)
- Black (37%)



- Cyan (37%)
- Magenta (92%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 57.005, 6.017 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, 57.005, 6.017 by changing the saturation by 10% instead.

 35, 57.005, 6.017  35, 57.005, 6.017

 100, 57.005, 6.017  25, 57.005, 6.017

 55, 57.005, 6.017  15, 57.005, 6.017

 65, 57.005, 6.017  5, 57.005, 6.017

 75, 57.005, 6.017  0, 57.005, 6.017

 85, 57.005, 6.017

 95, 57.005, 6.017

 35, 57.005, 6.017  35, 57.005, 6.017

 34, 59.387, 10.476  37, 53.424, 2.353

 34, 59.914, 11.450  39, 48.465,

359.451

■ 42, 42.353,
357.146

■ 46, 35.439,
355.283

■ 49, 28.068,
353.744

■ 54, 20.521,
352.443

■ 58, 12.997,
351.315

■ 62, 5.625, 350.298

■ 67, 1.523, 169.740

Harmonies

Complementary

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



35, 57.005, 6.017



58, 51.811, 157.894

Rectangle

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



35, 57.005, 6.017



35, 57.005, 56.017



35, 57.005, 186.017



35, 57.005, 236.017

Sweetspot

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



35, 57.002, 6.019



70, 23.770, 352.283



29, 81.287, 315.108



35, 16.128, 352.674



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



35, 57.002, 6.019



45, 73.149, 12.558



35, 64.569, 38.826



31, 4.024, 350.438



30, 55.001, 10.883



1, 5.125, 350.946

Inverse Universe

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



35, 57.002, 6.019



45, 73.149, 12.558



55, 30.983, 212.107



31, 4.024, 350.438



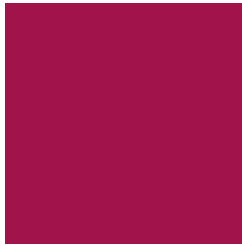
30, 55.001, 10.883



1, 5.125, 350.946

Previews

White Background



This preview shows how the CIELCh color 35, 57.005, 6.017 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, 57.005, 6.017 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, 57.005, 6.017

Background



This preview shows how black text looks on a background with the CIELCh color 35, 57.005, 6.017.



This preview shows how white text looks on a background with the CIELCh color 35, 57.005, 6.017.

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, 56.817, 6.137

Protanopia

36, 14.997, 285.424

Deuteranopia

36, 10.920, 62.647



Tritanopia
35, 59.363, 32.832

Trichromacy



Original Color
35, 56.817, 6.137

Protanomaly
32, 29.003, 336.172

Deuteranomaly
33, 28.815, 10.470

Tritanomaly
35, 57.119, 23.586

Monochromacy



Original Color
35, 56.817, 6.137

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 26.142, 354.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 57.005, 6.017 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(160, 20, 75)` looks like.

```
.text, #text, p{  
    color:rgb(160, 20, 75)  
}
```

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(160, 20, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 20, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 57.005, 6.017 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(160, 20, 75) }
```

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

```
.border{ border-color:rgb(160, 20, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 20, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 20, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 20, 75);  
box-shadow:4px 4px 4px 4px rgb(160, 20,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 57.005, 6.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 20, 75) }
```

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

```
.background{ background-color: rgb(160, 20,  
75) }
```

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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