

Converting Colors

CIELCh(23, 91.491, 333.016)

Have a look what the booklet for
CIELCh(23, 91.491, 333.016)
contains.

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Color

CIELCh(30, 65.787, 333.110)

Conversions

Conversions Part 1

Format	Color
Hex	850076
RGB	133, 0, 118
RGB Percent	52%, 0%, 46%
CMY	0.4789, 1.0000, 0.5373
CMYK	0.00, 1.00, 0.11, 0.48
HSL	307°, 100%, 26%
HSV	307°, 100%, 52%
XYZ	12.8995, 6.2359, 17.6571
YIQ	53.2190, 41.3900, 64.8940

Conversions

Conversions Part 2

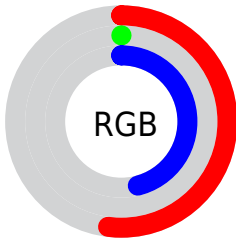
Format	Color
R_{YB}	133, 0, 118
Decimal	8716406
CIE _{Lab}	30.00, 58.67, -29.75
CIE _{LCh}	30, 65.787, 333.110
Yxy	6.2359, 0.3506, 0.1695
Android (android.graphics.Color)	4286906486 (0xFF850076)
YUV	53.2190, 31.9370, 69.9679
Hunter-Lab	24.9718, 48.5058, -24.4426

Details

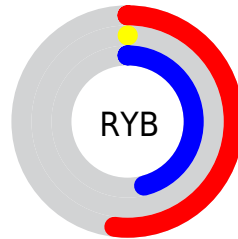
The CIELCh color **30, 65.787, 333.110** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **48, 71.393, 137.398**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 65.431, 333.146**, and **16, 45.134, 333.446** is the 20% darker color. If you saturate the color by 10%, you get **30, 65.383, 333.118**, and if you desaturate by 10%, it is **31, 63.578, 332.608**.

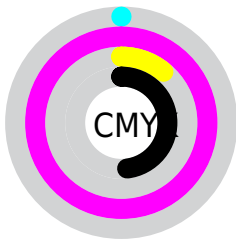
Distribution



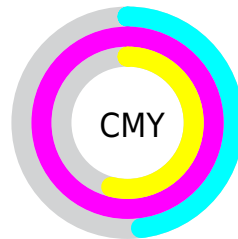
- Red (52%)
- Green (0%)
- Blue (46%)



- Red (52%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (48%)





- Cyan (48%)
- Magenta (100%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 65.787, 333.110 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 30, 65.787, 333.110 by changing the saturation by 10% instead.


 30, 65.787,
333.110


 30, 65.787,
333.110

 100, 65.787,
333.110


 20, 65.787,
333.110


 50, 65.787,
333.110


 10, 65.787,
333.110

 60, 65.787,
333.110

 0, 65.787, 333.110

 70, 65.787,
333.110

 80, 65.787,
333.110

 90, 65.787,
333.110

■ 30, 65.787,
333.110

■ 30, 65.787,
333.110

■ 30, 65.383,
333.118

■ 31, 63.578,
332.608

■ 32, 60.581,
332.097

■ 34, 55.924,
331.577

■ 36, 49.822,
331.042

■ 39, 42.600,
330.488

■ 42, 34.598,
329.920

■ 45, 26.124,
329.343

■ 48, 17.423,

328.763

■ 52, 8.675, 328.181

Harmonies

Complementary

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



30, 65.787, 333.110



48, 71.393, 137.398

Rectangle

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



30, 65.787, 333.110



30, 65.787, 23.110



30, 65.787, 153.110



30, 65.787, 203.110

Sweetspot

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



30, 65.383, 333.118



58, 32.460, 329.383



14, 81.882, 306.736



28, 22.013, 329.590



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 65.383, 333.118



40, 79.293, 333.244



27, 52.146, 10.107



26, 4.881, 328.129



29, 64.382, 333.107



0, 1.162, 327.642

Inverse Universe

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



30, 65.383, 333.118



40, 79.293, 333.244



49, 48.554, 155.459



26, 4.881, 328.129



29, 64.382, 333.107



0, 1.162, 327.642

Previews

White Background



This preview shows how the CIELCh color 30, 65.787, 333.110 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 30, 65.787, 333.110 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 30, 65.787, 333.110

Background



This preview shows how black text looks on a background with the CIELCh color 30, 65.787, 333.110.



This preview shows how white text looks on a background with the CIELCh color 30, 65.787, 333.110.

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

30, 65.393, 333.148

Protanopia

32, 50.921, 285.828

Deuteranopia

32, 23.813, 281.355



Tritanopia
31, 38.584, 25.150

Trichromacy



Original Color
30, 65.393, 333.148

Protanomaly
25, 60.687, 301.106

Deuteranomaly
27, 44.556, 313.918

Tritanomaly
30, 45.503, 357.546

Monochromacy



Original Color
30, 65.393, 333.148

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 33.283, 330.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 65.787, 333.110 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(133, 0, 118)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 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(133, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 65.787, 333.110 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(133, 0, 118) }
```

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

```
.border{ border-color:rgb(133, 0, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 0, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 65.787, 333.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 118) }
```

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

```
.background{ background-color: rgb(133, 0,  
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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