

Converting Colors

CIELCh(40, 88.770, 325.613)

Have a look what the booklet for
CIELCh(40, 88.770, 325.613)
contains.

CIELCh(40, 88.587, 325.605)	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(40, 88.587, 325.605)

Conversions

Conversions Part 1

Format	Color
Hex	A600B2
RGB	166, 0, 178
RGB Percent	65%, 0%, 70%
CMY	0.3503, 1.0000, 0.3032
CMYK	0.07, 1.00, 0.00, 0.30
HSL	296°, 100%, 35%
HSV	296°, 100%, 70%
XYZ	23.6483, 11.2510, 42.8765
YIQ	69.9260, 41.7980, 90.5500

Conversions

Conversions Part 2

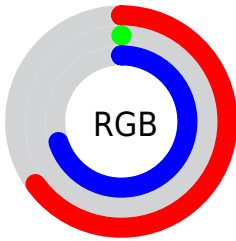
Format	Color
R_{YB}	166, 0, 178
Decimal	10879154
CIE _{Lab}	40.00, 73.10, -50.04
CIE _{LCh}	40, 88.587, 325.605
Yxy	11.2510, 0.3041, 0.1447
Android (android.graphics.Color)	4289069234 (0xFFA600B2)
YUV	69.9260, 53.2805, 84.2569
Hunter-Lab	33.5425, 67.1475, -52.3092

Details

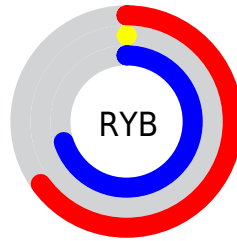
The CIELCh color $40, 88.587, 325.605$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $63, 90.966, 135.719$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 88.231, 325.703$, and $26, 68.331, 323.720$ is the 20% darker color. If you saturate the color by 10%, you get $40, 88.470, 325.597$, and if you desaturate by 10%, it is $41, 86.111, 325.705$.

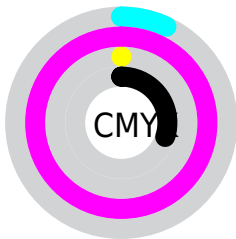
Distribution



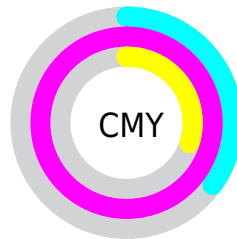
- Red (65%)
- Green (0%)
- Blue (70%)



- Red (65%)
- Yellow (0%)
- Blue (70%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (35%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 88.587, 325.605 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 40, 88.587, 325.605 by changing the saturation by 10% instead.

 40, 88.587,
325.605


 40, 88.587,
325.605


 100, 88.587,
325.605


 30, 88.587,
325.605

 60, 88.587,
325.605

 20, 88.587,
325.605

 70, 88.587,
325.605


 10, 88.587,
325.605

 80, 88.587,
325.605

 0, 88.587, 325.605

 90, 88.587,
325.605

 40, 88.587,

 40, 88.587,

325.605

■ 40, 88.470,
325.597

325.605

■ 41, 86.111,
325.705

■ 42, 81.901,
325.702

■ 45, 75.491,
325.567

■ 47, 67.163,
325.316

■ 51, 57.353,
324.971

■ 55, 46.526,
324.556

■ 59, 35.094,
324.093

■ 63, 23.385,
323.602

■ 68, 11.635,
323.094

Harmonies

Complementary

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



40, 88.587, 325.605



63, 90.966, 135.719

Rectangle

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



40, 88.587, 325.605



40, 88.587, 15.605



40, 88.587, 145.605



40, 88.587, 195.605

Sweetspot

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



40, 88.470, 325.597



75, 43.595, 324.118



22, 98.101, 305.195



38, 29.933, 324.315



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



40, 88.470, 325.597



52, 108.040, 325.552



39, 66.205, 354.245



35, 6.611, 323.059



34, 79.230, 325.628



2, 15.747, 321.668

Inverse Universe

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



37, 76.898, 37.235



49, 94.661, 37.877



64, 73.506, 145.400



35, 3.921, 14.440



31, 68.462, 36.750



2, 9.191, 15.065

Previews

White Background



This preview shows how the CIELCh color 40, 88.587, 325.605 looks on a white background.

Color Contrast Check

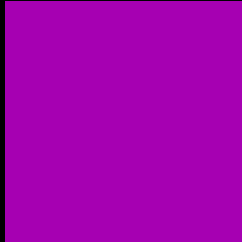
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 40, 88.587, 325.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

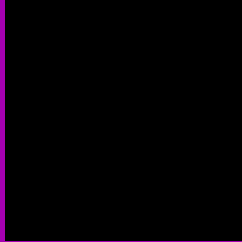
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 88.587, 325.605

Background



This preview shows how black text looks on a background with the CIELCh color 40, 88.587, 325.605.



This preview shows how white text looks on a background with the CIELCh color 40, 88.587, 325.605.

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

40, 88.587, 325.605

Protanopia

41, 63.139, 286.898

Deuteranopia

41, 42.842, 278.250



Tritanopia
41, 37.945, 22.332

Trichromacy



Original Color
40, 88.587, 325.605



Protanomaly
34, 80.271, 301.610



Deuteranomaly
35, 67.146, 305.051



Tritanomaly
38, 53.924, 346.535

Monochromacy



Original Color
40, 88.587, 325.605



Achromatopsia
30, 0.005, 296.813



Achromatomaly
29, 44.574, 325.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 88.587, 325.605 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(166, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 178)  
}
```

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(166, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 88.587, 325.605 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(166, 0, 178) }
```

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

```
.border{ border-color:rgb(166, 0, 178) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 88.587, 325.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 178) }
```

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

```
.background{ background-color: rgb(166, 0,  
178) }
```

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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