

Converting Colors

CIELCh(40, 63.504, 2.049)

Have a look what the booklet for
CIELCh(40, 63.504, 2.049) contains.

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Color

CIELCh(40, 63.504, 2.049)

Conversions

Conversions Part 1

Format	Color
Hex	B6145D
RGB	182, 20, 93
RGB Percent	71%, 8%, 36%
CMY	0.2860, 0.9210, 0.6351
CMYK	0.00, 0.89, 0.49, 0.29
HSL	333°, 80%, 40%
HSV	333°, 89%, 71%
XYZ	21.5405, 11.2510, 11.4063
YIQ	76.7600, 73.1190, 57.0470

Conversions

Conversions Part 2

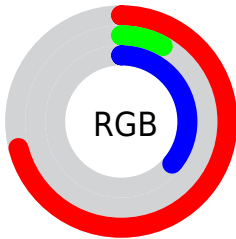
Format	Color
R_{YB}	182, 20, 93
Decimal	11932765
CIE Lab	40.00, 63.46, 2.27
CIE LCh	40, 63.504, 2.049
Yxy	11.2510, 0.4874, 0.2546
Android (android.graphics.Color)	4290122845 (0xFFB6145D)
YUV	76.7600, 8.0063, 92.2955
Hunter-Lab	33.5425, 55.9309, 3.3178

Details

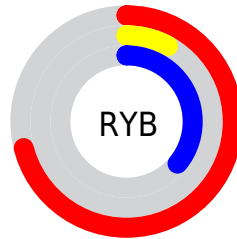
The CIELCh color **40, 63.504, 2.049** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **66, 61.159, 154.245**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.344, 2.176**, and **25, 49.350, 10.591** is the 20% darker color. If you saturate the color by 10%, you get **39, 65.357, 6.270**, and if you desaturate by 10%, it is **42, 60.205, 358.592**.

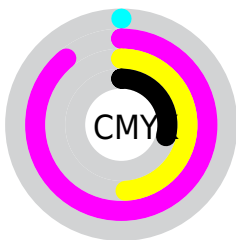
Distribution



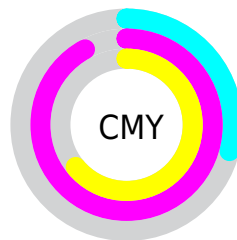
- Red (71%)
- Green (8%)
- Blue (36%)



- Red (71%)
- Yellow (8%)
- Blue (36%)



- Cyan (0%)
- Magenta (89%)
- Yellow (49%)
- Black (29%)



- Cyan (29%)
- Magenta (92%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 63.504, 2.049 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, 63.504, 2.049 by changing the saturation by 10% instead.

 40, 63.504, 2.049

 40, 63.504, 2.049

 100, 63.504, 2.049

 30, 63.504, 2.049

 60, 63.504, 2.049

 20, 63.504, 2.049

 70, 63.504, 2.049

 10, 63.504, 2.049

 80, 63.504, 2.049


 0, 63.504, 2.049

 90, 63.504, 2.049


 40, 63.504, 2.049

 40, 63.504, 2.049

 39, 65.357, 6.270

 42, 60.205,
358.592

 39, 65.556, 6.730

 44, 55.187,
355.861

■ 47, 48.693,
353.688

■ 51, 41.129,
351.925

■ 55, 32.914,
350.460

■ 60, 24.395,
349.212

■ 65, 15.825,
348.122

■ 70, 7.373, 347.139

■ 75, 0.864, 166.794

Harmonies

Complementary

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



40, 63.504, 2.049



66, 61.159, 154.245

Rectangle

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



40, 63.504, 2.049



40, 63.504, 52.049



40, 63.504, 182.049



40, 63.504, 232.049

Sweetspot

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



40, 63.501, 2.050



77, 28.196, 349.042



32, 91.281, 313.260



39, 19.191, 349.438



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 63.501, 2.050



51, 79.925, 7.631



39, 74.112, 37.460



36, 4.712, 347.178



33, 58.363, 6.088



2, 11.892, 353.621

Inverse Universe

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



40, 63.501, 2.050



51, 79.925, 7.631



66, 36.571, 201.305



36, 4.712, 347.178



33, 58.363, 6.088



2, 11.892, 353.621

Previews

White Background



This preview shows how the CIELCh color 40, 63.504, 2.049 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, 63.504, 2.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

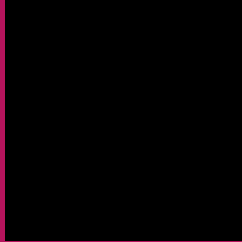
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 63.504, 2.049

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.504, 2.049.



This preview shows how white text looks on a background with the CIELCh color 40, 63.504, 2.049.

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, 63.504, 2.049

Protanopia

41, 22.613, 284.705

Deuteranopia

41, 8.374, 45.828



Tritanopia
40, 64.956, 32.664

Trichromacy



Original Color
40, 63.504, 2.049

Protanomaly
37, 36.104, 327.753

Deuteranomaly
38, 32.531, 0.543

Tritanomaly
40, 62.605, 21.730

Monochromacy



Original Color
40, 63.504, 2.049

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 29.710, 351.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.504, 2.049 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(182, 20, 93)` looks like.

```
.text, #text, p{  
    color:rgb(182, 20, 93)  
}
```

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(182, 20, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 20, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.504, 2.049 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(182, 20, 93) }
```

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

```
.border{ border-color:rgb(182, 20, 93) }
```

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

Here you see how a box with a 4 pixel rgb(182, 20, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 20, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 20, 93);  
box-shadow:4px 4px 4px 4px rgb(182, 20,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.504, 2.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 20, 93) }
```

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

```
.background{ background-color: rgb(182, 20,  
93) }
```

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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