

Converting Colors

CIELCh(40, 64.600, 6.035)

Have a look what the booklet for
CIELCh(40, 64.600, 6.035) contains.

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Color

CIELCh(40, 64.514, 5.965)

Conversions

Conversions Part 1

Format	Color
Hex	B81056
RGB	184, 16, 86
RGB Percent	72%, 6%, 34%
CMY	0.2775, 0.9391, 0.6620
CMYK	0.00, 0.92, 0.53, 0.28
HSL	335°, 84%, 39%
HSV	335°, 92%, 72%
XYZ	21.6895, 11.2510, 9.8716
YIQ	74.2120, 77.6580, 57.3860

Conversions

Conversions Part 2

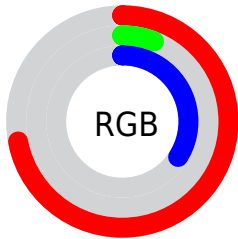
Format	Color
R_{YB}	184, 16, 86
Decimal	12062806
CIE _{Lab}	40.00, 64.16, 6.70
CIE _{LCh}	40, 64.514, 5.965
Yxy	11.2510, 0.5066, 0.2628
Android (android.graphics.Color)	4290252886 (0xFFB81056)
YUV	74.2120, 5.8115, 96.2841
Hunter-Lab	33.5425, 56.7238, 6.0306

Details

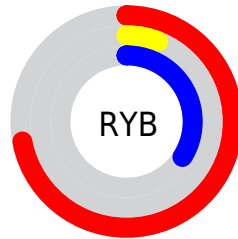
The CIELCh color **40, 64.514, 5.965** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **66, 60.734, 155.482**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 64.301, 6.111**, and **25, 50.319, 16.188** is the 20% darker color. If you saturate the color by 10%, you get **39, 66.255, 9.835**, and if you desaturate by 10%, it is **42, 61.423, 2.026**.

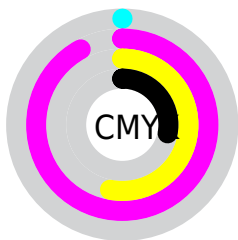
Distribution



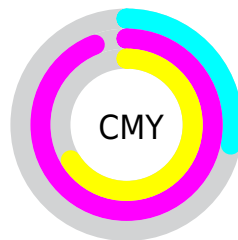
- Red (72%)
- Green (6%)
- Blue (34%)



- Red (72%)
- Yellow (6%)
- Blue (34%)



- Cyan (0%)
- Magenta (92%)
- Yellow (53%)
- Black (28%)




- Cyan (28%)
- Magenta (94%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 64.514, 5.965 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, 64.514, 5.965 by changing the saturation by 10% instead.

 40, 64.514, 5.965  40, 64.514, 5.965

 100, 64.514, 5.965  30, 64.514, 5.965

 60, 64.514, 5.965  20, 64.514, 5.965


 70, 64.514, 5.965  10, 64.514, 5.965

 80, 64.514, 5.965  0, 64.514, 5.965

 90, 64.514, 5.965

 40, 64.514, 5.965  40, 64.514, 5.965

 39, 66.255, 9.835  42, 61.423, 2.026

 44, 56.675,
358.907

47, 50.420,
356.441

51, 43.029,
354.464

55, 34.921,
352.843

59, 26.461,
351.480

64, 17.923,
350.308

69, 9.488, 349.269

74, 1.269, 348.086

Harmonies

Complementary

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



40, 64.514, 5.965



66, 60.734, 155.482

Rectangle

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



40, 64.514, 5.965



40, 64.514, 55.965



40, 64.514, 185.965



40, 64.514, 235.965

Sweetspot

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



40, 64.511, 5.967



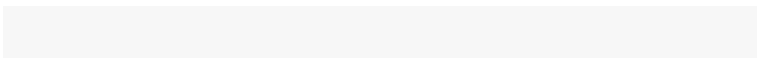
78, 27.949, 350.978



32, 92.964, 314.004



39, 18.868, 351.388



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, 64.511, 5.967



51, 80.809, 10.775



40, 75.905, 38.874



36, 4.620, 349.048



33, 58.424, 9.107



2, 11.718, 355.379

Inverse Universe

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



40, 64.511, 5.967



51, 80.809, 10.775



65, 35.723, 206.877



36, 4.620, 349.048



33, 58.424, 9.107



2, 11.718, 355.379

Previews

White Background



This preview shows how the CIELCh color 40, 64.514, 5.965 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 CIE LCh color 40, 64.514, 5.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

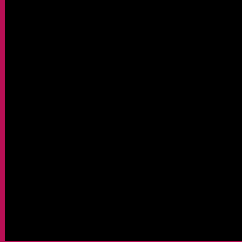
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 64.514, 5.965

Background



This preview shows how black text looks on a background with the CIELCh color 40, 64.514, 5.965.



This preview shows how white text looks on a background with the CIELCh color 40, 64.514, 5.965.

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, 64.382, 6.038

Protanopia

41, 17.694, 285.720

Deuteranopia

41, 11.761, 61.836



Tritanopia
40, 67.905, 33.956

Trichromacy



Original Color
40, 64.382, 6.038

Protanomaly
37, 34.731, 335.155

Deuteranomaly
37, 33.740, 7.351

Tritanomaly
40, 65.229, 24.406

Monochromacy



Original Color
40, 64.382, 6.038

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 30.055, 355.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 64.514, 5.965 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(184, 16, 86)` looks like.

```
.text, #text, p{  
    color:rgb(184, 16, 86)  
}
```

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(184, 16, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 16, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 64.514, 5.965 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(184, 16, 86) }
```

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

```
.border{ border-color:rgb(184, 16, 86) }
```

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

Here you see how a box with a 4 pixel rgb(184, 16, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 16, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 16, 86);  
box-shadow:4px 4px 4px 4px rgb(184, 16,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 64.514, 5.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 16, 86) }
```

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

```
.background{ background-color: rgb(184, 16,  
86) }
```

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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