

Converting Colors

CIELCh(40, 48.762, 281.139)

Have a look what the booklet for
CIELCh(40, 48.762, 281.139)
contains.

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Color

CIELCh(40, 48.840, 281.206)

Conversions

Conversions Part 1

Format	Color
Hex	1C5EAD
RGB	28, 94, 173
RGB Percent	11%, 37%, 68%
CMY	0.8908, 0.6317, 0.3219
CMYK	0.84, 0.46, 0.00, 0.32
HSL	213°, 72%, 39%
HSV	213°, 84%, 68%
XYZ	12.0054, 11.2510, 41.0316
YIQ	83.2720, -64.6950, 10.5770

Conversions

Conversions Part 2

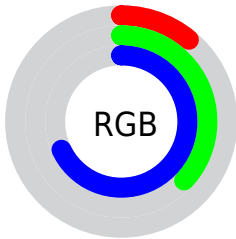
Format	Color
RYB	28, 73, 173
Decimal	1859245
CIELab	40.00, 9.49, -47.91
CIELCh	40, 48.840, 281.206
Yxy	11.2510, 0.1867, 0.1750
Android (android.graphics.Color)	4280049325 (0xFF1C5EAD)
YUV	83.2720, 44.2359, -48.4735
Hunter-Lab	33.5425, 5.1890, -49.0481

Details

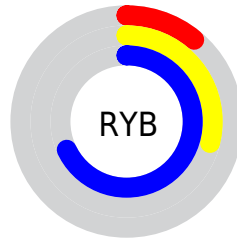
The CIELCh color **40, 48.840, 281.206** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **51, 55.291, 68.343**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 48.726, 281.019**, and **22, 47.374, 290.199** is the 20% darker color. If you saturate the color by 10%, you get **37, 54.843, 285.425**, and if you desaturate by 10%, it is **43, 42.983, 277.247**.

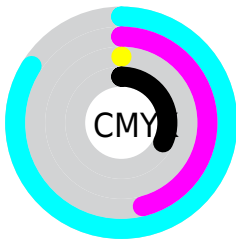
Distribution



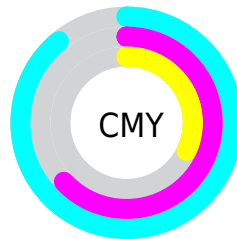
- Red (11%)
- Green (37%)
- Blue (68%)



- Red (11%)
- Yellow (29%)
- Blue (68%)



- Cyan (84%)
- Magenta (46%)
- Yellow (0%)
- Black (32%)




- Cyan (89%)
- Magenta (63%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 48.840, 281.206 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, 48.840, 281.206 by changing the saturation by 10% instead.


 40, 48.840,
281.206


 40, 48.840,
281.206


 100, 48.840,
281.206

 30, 48.840,
281.206

 60, 48.840,
281.206


 20, 48.840,
281.206

 70, 48.840,
281.206

 10, 48.840,
281.206

 80, 48.840,
281.206

 0, 48.840, 281.206

 90, 48.840,
281.206

 40, 48.840,

 40, 48.840,

281.206

■ 37, 54.843,
285.425

■ 35, 58.616,
287.913

281.206

■ 43, 42.983,
277.247

■ 47, 37.211,
273.677

■ 50, 31.465,
270.550

■ 54, 25.701,
267.861

■ 58, 19.901,
265.574

■ 62, 14.060,
263.638

■ 65, 8.189, 262.005

■ 69, 2.300, 260.697

Harmonies

Complementary

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



40, 48.840, 281.206



51, 55.291, 68.343

Rectangle

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



40, 48.840, 281.206



40, 48.840, 331.206



40, 48.840, 101.206



40, 48.840, 151.206

Sweetspot

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



40, 48.840, 281.207



77, 18.181, 263.916



63, 57.527, 154.467



39, 12.379, 264.553



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 48.840, 281.207



46, 72.517, 288.710



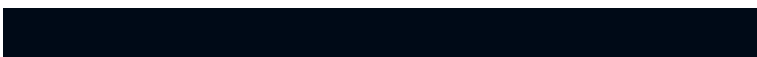
24, 89.670, 304.637



35, 3.347, 261.353



30, 52.298, 287.395



3, 7.662, 267.945

Inverse Universe

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



39, 59.698, 359.667



48, 76.650, 6.944



68, 68.103, 105.095



34, 4.509, 346.867



32, 56.966, 5.442



2, 8.918, 351.189

Previews

White Background



This preview shows how the CIELCh color 40, 48.840, 281.206 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, 48.840, 281.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

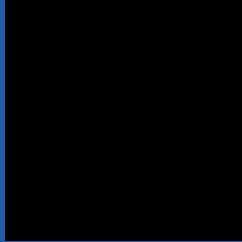
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 48.840, 281.206

Background



This preview shows how black text looks on a background with the CIELCh color 40, 48.840, 281.206.



This preview shows how white text looks on a background with the CIELCh color 40, 48.840, 281.206.

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, 48.840, 281.206

Protanopia

40, 48.283, 286.568

Deuteranopia

40, 45.939, 276.182



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 48.840, 281.206

Protanomaly
40, 48.509, 284.272

Deuteranomaly
40, 46.913, 277.893

Tritanomaly
39, 27.877, 246.603

Monochromacy



Original Color
40, 48.840, 281.206

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 19.363, 268.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 48.840, 281.206 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(28, 94, 173)` looks like.

```
.text, #text, p{  
    color:rgb(28, 94, 173)  
}
```

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(28, 94, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 94, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 48.840, 281.206 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(28, 94, 173) }
```

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

```
.border{ border-color:rgb(28, 94, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 94, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 94, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 94, 173);  
box-shadow:4px 4px 4px 4px rgb(28, 94,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 48.840, 281.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 94, 173) }
```

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

```
.background{ background-color: rgb(28, 94,  
173) }
```

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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