

Converting Colors

CIELCh(40, 61.766, 288.072)

Have a look what the booklet for
CIELCh(40, 61.766, 288.072)
contains.

CIELCh(40, 61.485, 287.904)	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, 61.485, 287.904)

Conversions

Conversions Part 1

Format	Color
Hex	175ABF
RGB	23, 90, 191
RGB Percent	9%, 35%, 75%
CMY	0.9100, 0.6471, 0.2511
CMYK	0.88, 0.53, 0.00, 0.25
HSL	216°, 79%, 42%
HSV	216°, 88%, 75%
XYZ	13.4078, 11.2510, 50.7414
YIQ	81.4810, -72.3530, 17.2070

Conversions

Conversions Part 2

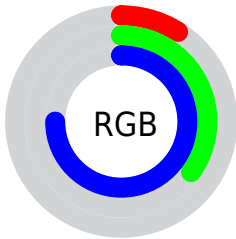
Format	Color
R_{YB}	23, 71, 191
Decimal	1530559
CIE Lab	40.00, 18.90, -58.51
CIE LCh	40, 61.485, 287.904
Yxy	11.2510, 0.1778, 0.1492
Android (android.graphics.Color)	4279720639 (0xFF175ABF)
YUV	81.4810, 53.9929, -51.2878
Hunter-Lab	33.5425, 12.6517, -66.2113

Details

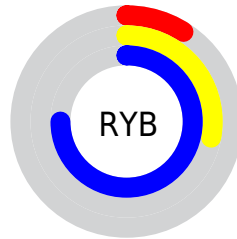
The CIELCh color **40, 61.485, 287.904** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **58, 62.113, 72.436**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 61.609, 287.990**, and **23, 59.829, 295.541** is the 20% darker color. If you saturate the color by 10%, you get **37, 69.071, 291.851**, and if you desaturate by 10%, it is **44, 54.072, 284.015**.

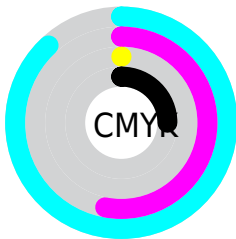
Distribution



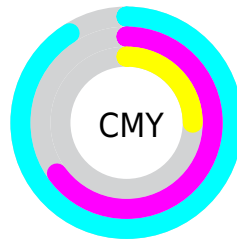
- Red (9%)
- Green (35%)
- Blue (75%)



- Red (9%)
- Yellow (28%)
- Blue (75%)



- Cyan (88%)
- Magenta (53%)
- Yellow (0%)
- Black (25%)





- Cyan (91%)
- Magenta (65%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 61.485, 287.904 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, 61.485, 287.904 by changing the saturation by 10% instead.


 40, 61.485,
287.904


 40, 61.485,
287.904


 100, 61.485,
287.904


 30, 61.485,
287.904

 60, 61.485,
287.904


 20, 61.485,
287.904

 70, 61.485,
287.904

 10, 61.485,
287.904

 80, 61.485,
287.904

 0, 61.485, 287.904

 90, 61.485,
287.904

 40, 61.485,

 40, 61.485,

287.904

287.904

■ 37, 69.071,
291.851

■ 44, 54.072,
284.015

■ 36, 70.626,
292.591

■ 48, 46.845,
280.401

■ 52, 39.768,
277.167

■ 56, 32.791,
274.345

■ 60, 25.878,
271.919

■ 65, 19.009,
269.851

■ 69, 12.179,
268.094

■ 74, 5.390, 266.616

Harmonies

Complementary

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



40, 61.485, 287.904



58, 62.113, 72.436

Rectangle

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



40, 61.485, 287.904



40, 61.485, 337.904



40, 61.485, 107.904



40, 61.485, 157.904

Sweetspot

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



40, 61.485, 287.906



83, 21.785, 269.556



69, 59.777, 157.361



43, 14.903, 270.227



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



40, 61.485, 287.906



46, 87.237, 293.244



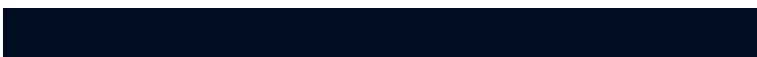
26, 100.063, 305.795



38, 3.793, 266.800



29, 60.486, 291.995



3, 12.727, 275.417

Inverse Universe

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



42, 65.309, 6.288



53, 83.069, 12.836



74, 75.543, 108.698



37, 4.669, 350.271



33, 59.273, 11.091



3, 13.286, 357.402

Previews

White Background



This preview shows how the CIE LCh color 40, 61.485, 287.904 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, 61.485, 287.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

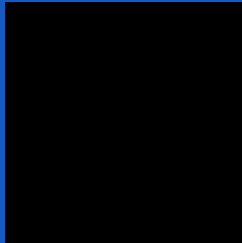
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 61.485, 287.904

Background



This preview shows how black text looks on a background with the CIELCh color 40, 61.485, 287.904.



This preview shows how white text looks on a background with the CIELCh color 40, 61.485, 287.904.

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, 61.485, 287.904

Protanopia

40, 61.574, 287.407

Deuteranopia

40, 44.348, 274.806



Tritanopia
40, 25.103, 206.536

Trichromacy



Original Color
40, 61.485, 287.904

Protanomaly
40, 61.548, 287.552

Deuteranomaly
40, 50.241, 280.374

Tritanomaly
39, 30.436, 254.274

Monochromacy



Original Color
40, 61.485, 287.904

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 23.912, 274.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 61.485, 287.904 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(23, 90, 191)` looks like.

```
.text, #text, p{  
    color:rgb(23, 90, 191)  
}
```

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(23, 90, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 90, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 61.485, 287.904 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(23, 90, 191) }
```

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

```
.border{ border-color:rgb(23, 90, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 90, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 90, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 90, 191);  
box-shadow:4px 4px 4px 4px rgb(23, 90,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 61.485, 287.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 90, 191) }
```

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

```
.background{ background-color: rgb(23, 90,  
191) }
```

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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