

Converting Colors

CIELCh(40, 61.565, 287.453)

Have a look what the booklet for
CIELCh(40, 61.565, 287.453)
contains.

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Color

CIELCh(40, 61.557, 287.501)

Conversions

Conversions Part 1

Format	Color
Hex	115ABF
RGB	17, 90, 191
RGB Percent	7%, 35%, 75%
CMY	0.9333, 0.6460, 0.2498
CMYK	0.91, 0.53, 0.00, 0.25
HSL	215°, 84%, 41%
HSV	215°, 91%, 75%
XYZ	13.3475, 11.2510, 50.9382
YIQ	79.6870, -75.9290, 15.9350

Conversions

Conversions Part 2

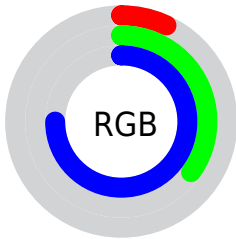
Format	Color
R _Y B	17, 68, 191
Decimal	1137343
CIE Lab	40.00, 18.51, -58.71
CIE LCh	40, 61.557, 287.501
Yxy	11.2510, 0.1767, 0.1489
Android (android.graphics.Color)	4279327423 (0xFF115ABF)
YUV	79.6870, 54.8773, -54.9765
Hunter-Lab	33.5425, 12.3311, -66.5591

Details

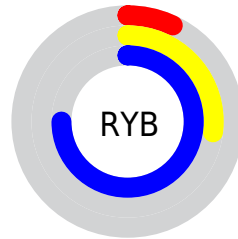
The CIELCh color **40, 61.557, 287.501** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **56, 63.633, 69.764**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 61.659, 287.617**, and **23, 59.829, 295.541** is the 20% darker color. If you saturate the color by 10%, you get **37, 68.041, 291.053**, and if you desaturate by 10%, it is **44, 54.447, 283.458**.

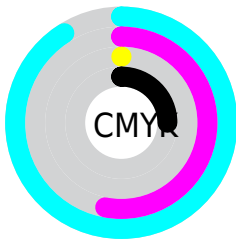
Distribution



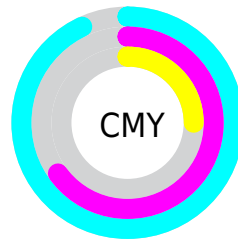
- Red (7%)
- Green (35%)
- Blue (75%)



- Red (7%)
- Yellow (27%)
- Blue (75%)



- Cyan (91%)
- Magenta (53%)
- Yellow (0%)
- Black (25%)





- Cyan (93%)
- Magenta (65%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 61.557, 287.501 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, 61.557, 287.501 by changing the saturation by 10% instead.


 40, 61.557,
287.501


 40, 61.557,
287.501


 100, 61.557,
287.501


 30, 61.557,
287.501

 60, 61.557,
287.501


 20, 61.557,
287.501

 70, 61.557,
287.501

 10, 61.557,
287.501

 80, 61.557,
287.501

 0, 61.557, 287.501

 90, 61.557,
287.501

 40, 61.557,

 40, 61.557,

287.501

287.501

■ 37, 68.041,
291.053

■ 44, 54.447,
283.458

■ 47, 47.517,
279.667

■ 51, 40.721,
276.253

■ 55, 34.004,
273.264

■ 60, 27.323,
270.691

■ 64, 20.657,
268.498

■ 68, 14.000,
266.638

■ 73, 7.357, 265.068

Harmonies

Complementary

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



40, 61.557, 287.501



56, 63.633, 69.764

Rectangle

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



40, 61.557, 287.501



40, 61.557, 337.501



40, 61.557, 107.501



40, 61.557, 157.501

Sweetspot

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



40, 61.557, 287.503



84, 22.267, 267.781



69, 63.369, 154.669



43, 15.007, 268.453



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, 61.557, 287.503



48, 84.622, 291.749



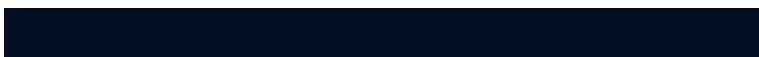
25, 102.750, 305.831



39, 3.795, 264.825



31, 58.964, 290.486



4, 13.923, 275.201

Inverse Universe

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



42, 66.296, 5.737



53, 83.395, 10.760



74, 76.392, 106.856



38, 4.835, 348.966



34, 59.826, 9.112



3, 15.225, 357.015

Previews

White Background



This preview shows how the CIE LCh color 40, 61.557, 287.501 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, 61.557, 287.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

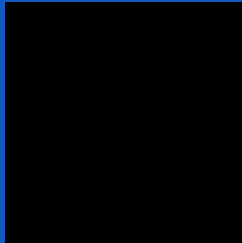
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 61.557, 287.501

Background



This preview shows how black text looks on a background with the CIELCh color 40, 61.557, 287.501.



This preview shows how white text looks on a background with the CIELCh color 40, 61.557, 287.501.

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, 61.548, 287.552

Protanopia

40, 61.574, 287.407

Deuteranopia

40, 44.348, 274.806



Tritanopia
40, 25.103, 206.536

Trichromacy



Original Color
40, 61.548, 287.552

Protanomaly
40, 61.565, 287.453

Deuteranomaly
40, 50.261, 280.274

Tritanomaly
39, 30.501, 254.089

Monochromacy



Original Color
40, 61.548, 287.552

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 23.592, 272.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 61.557, 287.501 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(17, 90, 191)` looks like.

```
.text, #text, p{  
    color:rgb(17, 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(17, 90, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 90, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 61.557, 287.501 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(17, 90, 191) }
```

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

```
.border{ border-color:rgb(17, 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(17, 90, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 90, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 90, 191);  
box-shadow:4px 4px 4px 4px rgb(17, 90,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 61.557, 287.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 90, 191) }
```

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

```
.background{ background-color: rgb(17, 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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