

Converting Colors

CIELCh(40, 63.064, 289.890)

Have a look what the booklet for
CIELCh(40, 63.064, 289.890)
contains.

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Color

CIELCh(40, 63.154, 290.031)

Conversions

Conversions Part 1

Format	Color
Hex	2558C0
RGB	37, 88, 192
RGB Percent	15%, 35%, 75%
CMY	0.8558, 0.6535, 0.2454
CMYK	0.81, 0.54, 0.00, 0.25
HSL	220°, 68%, 45%
HSV	220°, 81%, 75%
XYZ	13.8341, 11.2510, 51.5568
YIQ	84.6070, -63.7800, 21.5320

Conversions

Conversions Part 2

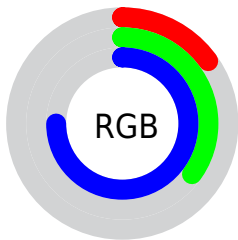
Format	Color
R_{YB}	37, 75, 192
Decimal	2447552
CIE _{Lab}	40.00, 21.63, -59.33
CIE _{LCh}	40, 63.154, 290.031
Yxy	11.2510, 0.1805, 0.1468
Android (android.graphics.Color)	4280637632 (0xFF2558C0)
YUV	84.6070, 52.9447, -41.7513
Hunter-Lab	33.5425, 14.9205, -67.6526

Details

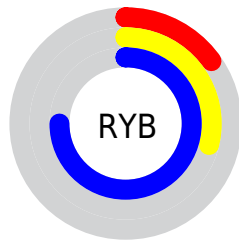
The CIELCh color **40, 63.154, 290.031** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **62, 59.597, 79.872**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.164, 290.259**, and **22, 61.229, 296.368** is the 20% darker color. If you saturate the color by 10%, you get **36, 71.778, 293.650**, and if you desaturate by 10%, it is **44, 54.696, 286.564**.

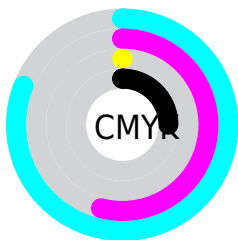
Distribution



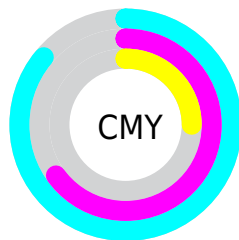
- Red (15%)
- Green (35%)
- Blue (75%)



- Red (15%)
- Yellow (29%)
- Blue (75%)



- Cyan (81%)
- Magenta (54%)
- Yellow (0%)
- Black (25%)





- Cyan (86%)
- Magenta (65%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.154, 290.031 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, 63.154, 290.031 by changing the saturation by 10% instead.


 40, 63.154,
290.031


 40, 63.154,
290.031


 100, 63.154,
290.031


 30, 63.154,
290.031

 60, 63.154,
290.031


 20, 63.154,
290.031

 70, 63.154,
290.031

 10, 63.154,
290.031

 80, 63.154,
290.031

 0, 63.154, 290.031

 90, 63.154,
290.031

 40, 63.154,

 40, 63.154,

290.031

■ 36, 71.778,
293.650

■ 33, 79.621,
296.810

290.031

■ 44, 54.696,
286.564

■ 49, 46.467,
283.391

■ 53, 38.453,
280.580

■ 58, 30.622,
278.140

■ 63, 22.941,
276.044

■ 68, 15.392,
274.254

■ 73, 7.965, 272.732

■ 77, 0.656, 271.739

Harmonies

Complementary

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



40, 63.154, 290.031



62, 59.597, 79.872

Rectangle

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



40, 63.154, 290.031



40, 63.154, 340.031



40, 63.154, 110.031



40, 63.154, 160.031

Sweetspot

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



40, 63.154, 290.032



84, 21.921, 274.847



70, 53.144, 163.233



43, 15.100, 275.492



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, 63.154, 290.032



44, 95.374, 296.376



30, 93.652, 305.856



38, 4.165, 272.523



27, 68.680, 296.313



3, 15.103, 279.960

Inverse Universe

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



43, 62.943, 9.191



53, 84.499, 17.735



74, 73.566, 112.155



38, 4.593, 354.636



34, 61.061, 17.566



3, 14.744, 1.877

Previews

White Background



This preview shows how the CIE LCh color 40, 63.154, 290.031 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, 63.154, 290.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

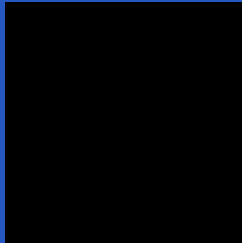
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 63.154, 290.031

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.154, 290.031.

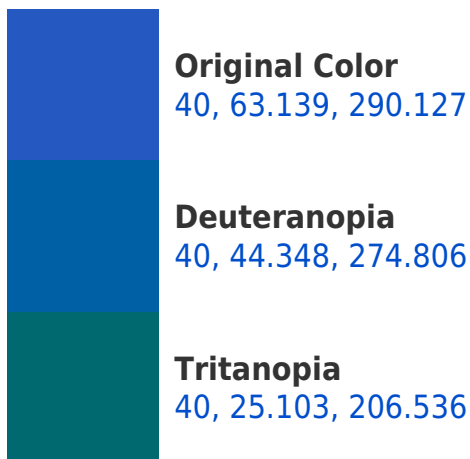


This preview shows how white text looks on a background with the CIELCh color 40, 63.154, 290.031.

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



Trichromacy



Original Color
40, 63.139, 290.127

Deuteranomaly
40, 51.333, 281.605

Tritanomaly
39, 31.020, 257.043

Monochromacy



Original Color
40, 63.139, 290.127

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 24.053, 278.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.154, 290.031 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(37, 88, 192)` looks like.

```
.text, #text, p{  
    color:rgb(37, 88, 192)  
}
```

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(37, 88, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 88, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.154, 290.031 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(37, 88, 192) }
```

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

```
.border{ border-color:rgb(37, 88, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 88, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 88, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 88, 192);  
box-shadow:4px 4px 4px 4px rgb(37, 88,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.154, 290.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 88, 192) }
```

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

```
.background{ background-color: rgb(37, 88,  
192) }
```

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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