

Converting Colors

CIELCh(40, 50.608, 286.636)

Have a look what the booklet for
CIELCh(40, 50.608, 286.636)
contains.

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Color

CIELCh(40, 50.684, 286.758)

Conversions

Conversions Part 1

Format	Color
Hex	335BAE
RGB	51, 91, 174
RGB Percent	20%, 36%, 68%
CMY	0.7998, 0.6430, 0.3175
CMYK	0.71, 0.48, 0.00, 0.32
HSL	220°, 55%, 44%
HSV	220°, 71%, 68%
XYZ	12.7559, 11.2510, 41.5644
YIQ	88.5020, -50.4830, 17.3330

Conversions

Conversions Part 2

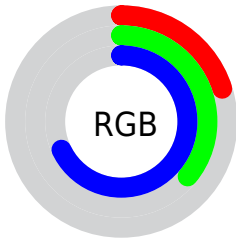
Format	Color
RYB	51, 81, 174
Decimal	3365806
CIELab	40.00, 14.61, -48.53
CIElCh	40, 50.684, 286.758
Yxy	11.2510, 0.1945, 0.1716
Android (android.graphics.Color)	4281555886 (0xFF335BAE)
YUV	88.5020, 42.1505, -32.8893
Hunter-Lab	33.5425, 9.1829, -49.9899




Details

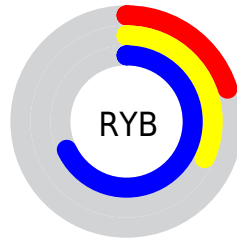
The CIELCh color **40, 50.684, 286.758** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **58, 49.198, 82.232**, and the grayscale version is **37, 0.005, 296.813**.




A 20% lighter version of the original color is **60, 50.412, 286.553**, and **21, 50.131, 292.249** is the 20% darker color. If you saturate the color by 10%, you get **36, 58.559, 290.162**, and if you desaturate by 10%, it is **44, 43.022, 283.650**.

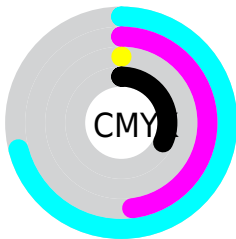
Distribution







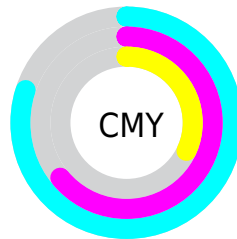
-  Red (20%)
-  Green (36%)
-  Blue (68%)






-  Red (20%)
-  Yellow (32%)
-  Blue (68%)



-  Cyan (71%)
-  Magenta (48%)
-  Yellow (0%)
-  Black (32%)





-  Cyan (80%)
-  Magenta (64%)
-  Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 50.684, 286.758 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, 50.684, 286.758 by changing the saturation by 10% instead.

 40, 50.684,
286.758


 40, 50.684,
286.758


 100, 50.684,
286.758


 30, 50.684,
286.758

 60, 50.684,
286.758


 20, 50.684,
286.758

 70, 50.684,
286.758

 10, 50.684,
286.758

 80, 50.684,
286.758

 0, 50.684, 286.758

 90, 50.684,
286.758

 40, 50.684,

 40, 50.684,

286.758

■ 36, 58.559,
290.162

■ 32, 66.589,
293.719

■ 29, 74.080,
296.897

286.758

■ 44, 43.022,
283.650

■ 48, 35.564,
280.895

■ 53, 28.278,
278.502

■ 57, 21.139,
276.445

■ 62, 14.127,
274.686

■ 66, 7.233, 273.188

■ 71, 0.453, 272.328

■ 75, 6.215, 90.701

■ 80, 12.769, 89.741

Harmonies

Complementary

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



40, 50.684, 286.758



58, 49.198, 82.232

Rectangle

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



40, 50.684, 286.758



40, 50.684, 336.758



40, 50.684, 106.758



40, 50.684, 156.758

Sweetspot

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



40, 50.684, 286.759



79, 17.827, 274.802



64, 44.857, 165.188



40, 12.191, 275.255



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 50.684, 286.759



45, 77.112, 292.234



31, 75.960, 304.559



34, 3.825, 273.004



25, 65.735, 296.466



2, 8.565, 276.204

Inverse Universe

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



41, 52.806, 5.868



50, 73.827, 11.874



68, 62.132, 112.274



34, 4.174, 355.051



31, 58.250, 17.818



2, 8.399, 358.418

Previews

White Background



This preview shows how the CIE LCh color 40, 50.684, 286.758 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, 50.684, 286.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

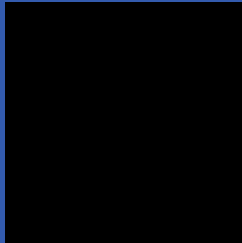
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 50.684, 286.758

Background



This preview shows how black text looks on a background with the CIELCh color 40, 50.684, 286.758.



This preview shows how white text looks on a background with the CIELCh color 40, 50.684, 286.758.

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, 50.684, 286.758

Protanopia

40, 50.684, 286.758

Deuteranopia

40, 45.939, 276.182



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 50.684, 286.758

Protanomaly
40, 50.684, 286.758

Deuteranomaly
40, 47.904, 279.602

Tritanomaly
39, 28.048, 250.362

Monochromacy



Original Color
40, 50.684, 286.758

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 18.968, 276.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 50.684, 286.758 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(51, 91, 174)` looks like.

```
.text, #text, p{  
    color:rgb(51, 91, 174)  
}
```

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(51, 91, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 91, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 50.684, 286.758 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(51, 91, 174) }
```

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

```
.border{ border-color:rgb(51, 91, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 91, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 91, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 91, 174);  
box-shadow:4px 4px 4px 4px rgb(51, 91,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 50.684, 286.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 91, 174) }
```

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

```
.background{ background-color: rgb(51, 91,  
174) }
```

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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