

Converting Colors

CIELCh(40, 50.968, 283.632)

Have a look what the booklet for
CIELCh(40, 50.968, 283.632)
contains.

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Color

CIELCh(40, 50.989, 283.505)

Conversions

Conversions Part 1

Format	Color
Hex	225DB0
RGB	34, 93, 176
RGB Percent	13%, 36%, 69%
CMY	0.8682, 0.6361, 0.3107
CMYK	0.81, 0.47, 0.00, 0.31
HSL	215°, 68%, 41%
HSV	215°, 81%, 69%
XYZ	12.3557, 11.2510, 42.4713
YIQ	84.8210, -61.8070, 13.3050

Conversions

Conversions Part 2

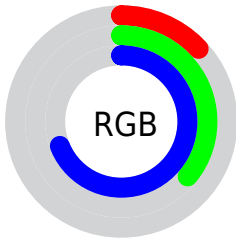
Format	Color
R _Y B	34, 76, 176
Decimal	2252208
CIE Lab	40.00, 11.91, -49.58
CIE LCh	40, 50.989, 283.505
Yxy	11.2510, 0.1870, 0.1703
Android (android.graphics.Color)	4280442288 (0xFF225DB0)
YUV	84.8210, 44.9512, -44.5700
Hunter-Lab	33.5425, 7.0527, -51.5930

Details

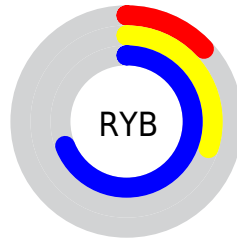
The CIELCh color **40, 50.989, 283.505** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **54, 54.372, 72.434**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 50.705, 283.312**, and **22, 49.931, 291.623** is the 20% darker color. If you saturate the color by 10%, you get **37, 57.675, 287.496**, and if you desaturate by 10%, it is **44, 44.469, 279.774**.

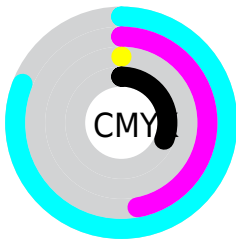
Distribution



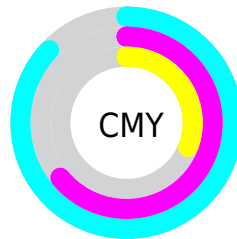
- Red (13%)
- Green (36%)
- Blue (69%)



- Red (13%)
- Yellow (30%)
- Blue (69%)



- Cyan (81%)
- Magenta (47%)
- Yellow (0%)
- Black (31%)





- Cyan (87%)
- Magenta (64%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 50.989, 283.505 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, 50.989, 283.505 by changing the saturation by 10% instead.


 40, 50.989,
283.505


 40, 50.989,
283.505


 100, 50.989,
283.505


 30, 50.989,
283.505

 60, 50.989,
283.505


 20, 50.989,
283.505

 70, 50.989,
283.505

 10, 50.989,
283.505

 80, 50.989,
283.505

 0, 50.989, 283.505

 90, 50.989,
283.505

 40, 50.989,

 40, 50.989,

283.505

283.505

■ 37, 57.675,
287.496

■ 44, 44.469,
279.774

■ 34, 63.932,
291.081

■ 47, 38.077,
276.415

■ 51, 31.761,
273.474

■ 55, 25.483,
270.941

■ 59, 19.225,
268.780

■ 63, 12.980,
266.944

■ 67, 6.752, 265.393

■ 71, 0.550, 264.507

Harmonies

Complementary

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



40, 50.989, 283.505



54, 54.372, 72.434

Rectangle

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



40, 50.989, 283.505



40, 50.989, 333.505



40, 50.989, 103.505



40, 50.989, 153.505

Sweetspot

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



40, 50.989, 283.506



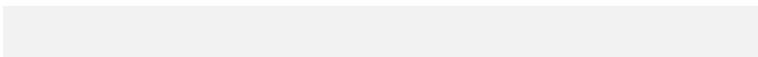
79, 18.545, 267.561



64, 54.031, 157.908



40, 12.734, 268.202



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, 50.989, 283.506



45, 76.936, 290.666



26, 87.714, 304.707



35, 3.475, 265.173



29, 56.268, 290.542



2, 7.915, 270.625

Inverse Universe

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



40, 58.917, 1.891



49, 77.561, 9.394



69, 67.836, 107.846



34, 4.399, 349.188



32, 57.018, 9.182



2, 8.748, 353.272

Previews

White Background



This preview shows how the CIE LCh color 40, 50.989, 283.505 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, 50.989, 283.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

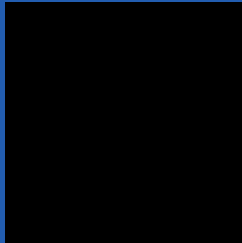
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 50.989, 283.505

Background



This preview shows how black text looks on a background with the CIELCh color 40, 50.989, 283.505.



This preview shows how white text looks on a background with the CIELCh color 40, 50.989, 283.505.

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, 50.989, 283.505

Protanopia

40, 50.684, 286.758

Deuteranopia

40, 45.407, 275.734



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 50.989, 283.505

Protanomaly
40, 50.783, 285.396

Deuteranomaly
40, 47.431, 278.414

Tritanomaly
39, 28.135, 247.953

Monochromacy



Original Color
40, 50.989, 283.505

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 19.667, 270.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 50.989, 283.505 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(34, 93, 176)` looks like.

```
.text, #text, p{  
    color:rgb(34, 93, 176)  
}
```

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(34, 93, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 93, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 50.989, 283.505 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(34, 93, 176) }
```

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

```
.border{ border-color:rgb(34, 93, 176) }
```

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

Here you see how a box with a 4 pixel rgb(34, 93, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 93, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 93, 176);  
box-shadow:4px 4px 4px 4px rgb(34, 93,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 50.989, 283.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 93, 176) }
```

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

```
.background{ background-color: rgb(34, 93,  
176) }
```

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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