

Converting Colors

CIELCh(40, 44.415, 282.896)

Have a look what the booklet for
CIELCh(40, 44.415, 282.896)
contains.

CIELCh(40, 44.352, 282.764)	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, 44.352, 282.764)

Conversions

Conversions Part 1

Format	Color
Hex	325DA5
RGB	50, 93, 165
RGB Percent	20%, 36%, 65%
CMY	0.8033, 0.6349, 0.3525
CMYK	0.70, 0.44, 0.00, 0.35
HSL	218°, 53%, 42%
HSV	218°, 70%, 65%
XYZ	12.0497, 11.2510, 37.1932
YIQ	88.3510, -48.7400, 13.2760

Conversions

Conversions Part 2

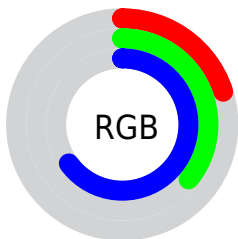
Format	Color
R_{YB}	50, 81, 165
Decimal	3300773
CIE Lab	40.00, 9.80, -43.26
CIE LCh	40, 44.352, 282.764
Yxy	11.2510, 0.1992, 0.1860
Android (android.graphics.Color)	4281490853 (0xFF325DA5)
YUV	88.3510, 37.7880, -33.6338
Hunter-Lab	33.5425, 5.4242, -42.2633

Details

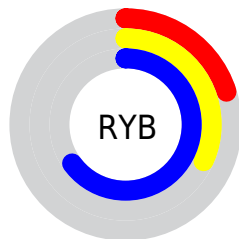
The CIELCh color **40, 44.352, 282.764** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **54, 45.519, 78.259**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 44.536, 282.637**, and **21, 43.129, 288.293** is the 20% darker color. If you saturate the color by 10%, you get **36, 51.158, 286.285**, and if you desaturate by 10%, it is **44, 37.709, 279.589**.

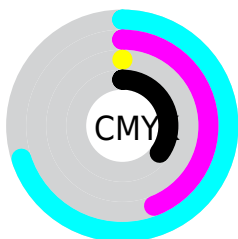
Distribution



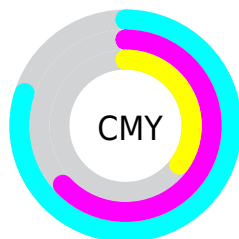
- Red (20%)
- Green (36%)
- Blue (65%)



- Red (20%)
- Yellow (32%)
- Blue (65%)



- Cyan (70%)
- Magenta (44%)
- Yellow (0%)
- Black (35%)



- Cyan (80%)
- Magenta (63%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 44.352, 282.764 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, 44.352, 282.764 by changing the saturation by 10% instead.


 40, 44.352,
282.764


 40, 44.352,
282.764


 100, 44.352,
282.764


 30, 44.352,
282.764

 60, 44.352,
282.764

 20, 44.352,
282.764

 70, 44.352,
282.764

 10, 44.352,
282.764

 80, 44.352,
282.764

 0, 44.352, 282.764

 90, 44.352,
282.764

 40, 44.352,

 40, 44.352,

282.764

■ 36, 51.158,
286.285

■ 33, 58.140,
290.037

■ 30, 65.252,
293.724

■ 30, 65.521,
293.851

282.764

■ 44, 37.709,
279.589

■ 48, 31.195,
276.798

■ 52, 24.776,
274.386

■ 56, 18.431,
272.320

■ 60, 12.150,
270.558

■ 64, 5.931, 269.063

■ 68, 0.223, 86.671

■ 72, 6.307, 86.560

■ 76, 12.317, 85.601

Harmonies

Complementary

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



40, 44.352, 282.764



54, 45.519, 78.259

Rectangle

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



40, 44.352, 282.764



40, 44.352, 332.764



40, 44.352, 102.764



40, 44.352, 152.764

Sweetspot

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



40, 44.352, 282.765



75, 16.082, 270.848



61, 44.709, 162.101



38, 10.880, 271.291



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



40, 44.352, 282.765



45, 67.077, 288.485



30, 71.881, 303.428



32, 3.452, 269.014



26, 58.994, 293.419



2, 5.550, 270.719

Inverse Universe

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



40, 50.385, 1.671



48, 69.874, 7.094



65, 58.582, 109.880



32, 4.077, 351.847



30, 55.952, 13.087



1, 6.122, 353.349

Previews

White Background



This preview shows how the CIELCh color 40, 44.352, 282.764 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 CIE LCh color 40, 44.352, 282.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

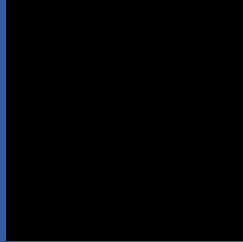
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 44.352, 282.764

Background



This preview shows how black text looks on a background with the CIELCh color 40, 44.352, 282.764.



This preview shows how white text looks on a background with the CIELCh color 40, 44.352, 282.764.

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, 44.352, 282.764

Protanopia

40, 44.651, 286.487

Deuteranopia

40, 43.698, 278.291



Tritanopia
40, 25.001, 209.530

Trichromacy



Original Color
40, 44.352, 282.764

Protanomaly
40, 44.158, 284.797

Deuteranomaly
40, 44.086, 280.040

Tritanomaly
39, 26.816, 245.191

Monochromacy



Original Color
40, 44.352, 282.764

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 16.764, 272.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 44.352, 282.764 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(50, 93, 165)` looks like.

```
.text, #text, p{  
    color:rgb(50, 93, 165)  
}
```

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(50, 93, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 93, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 44.352, 282.764 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(50, 93, 165) }
```

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

```
.border{ border-color:rgb(50, 93, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 93, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 93, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 93, 165);  
box-shadow:4px 4px 4px 4px rgb(50, 93,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 44.352, 282.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 93, 165) }
```

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

```
.background{ background-color: rgb(50, 93,  
165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor