

Converting Colors

CIELCh(40, 37.386, 284.509)

Have a look what the booklet for
CIELCh(40, 37.386, 284.509)
contains.

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Color

CIELCh(40, 37.456, 284.595)

Conversions

Conversions Part 1

Format	Color
Hex	435C99
RGB	67, 92, 153
RGB Percent	26%, 36%, 60%
CMY	0.7354, 0.6376, 0.3982
CMYK	0.56, 0.40, 0.00, 0.40
HSL	223°, 39%, 43%
HSV	223°, 56%, 60%
XYZ	11.9978, 11.2510, 31.8754
YIQ	91.4790, -34.4810, 13.6710

Conversions

Conversions Part 2

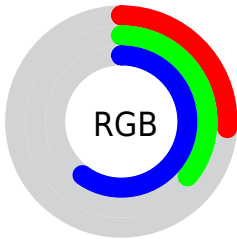
Format	Color
R_{YB}	67, 86, 153
Decimal	4414617
CIE Lab	40.00, 9.44, -36.25
CIE LCh	40, 37.456, 284.595
Yxy	11.2510, 0.2177, 0.2041
Android (android.graphics.Color)	4282604697 (0xFF435C99)
YUV	91.4790, 30.3299, -21.4681
Hunter-Lab	33.5425, 5.1485, -32.8635

Details

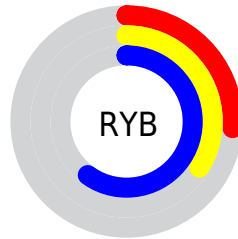
The CIELCh color `40, 37.456, 284.595` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `55, 36.333, 87.308`, and the grayscale version is `39, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 37.550, 284.525`, and `20, 36.974, 284.568` is the 20% darker color. If you saturate the color by 10%, you get `36, 44.715, 287.414`, and if you desaturate by 10%, it is `44, 30.402, 282.117`.

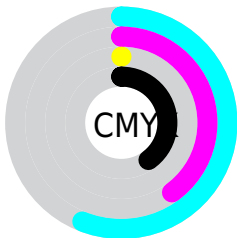
Distribution



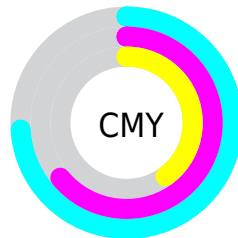
- Red (26%)
- Green (36%)
- Blue (60%)



- Red (26%)
- Yellow (34%)
- Blue (60%)



- Cyan (56%)
- Magenta (40%)
- Yellow (0%)
- Black (40%)





- Cyan (74%)
- Magenta (64%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 37.456, 284.595 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, 37.456, 284.595 by changing the saturation by 10% instead.


 40, 37.456,
284.595


 40, 37.456,
284.595


 100, 37.456,
284.595


 30, 37.456,
284.595

 60, 37.456,
284.595


 20, 37.456,
284.595

 70, 37.456,
284.595

 10, 37.456,
284.595

 80, 37.456,
284.595

 0, 37.456, 284.595

 90, 37.456,
284.595

 40, 37.456,

 40, 37.456,

284.595

■ 36, 44.715,
287.414

■ 32, 52.189,
290.534

■ 29, 59.829,
293.853

■ 25, 67.464,
297.169

■ 24, 70.446,
298.348

284.595

■ 44, 30.402,
282.117

■ 48, 23.531,
279.969

■ 52, 16.821,
278.124

■ 57, 10.255,
276.544

■ 61, 3.824, 275.208

■ 65, 2.479, 93.914

■ 69, 8.657, 92.941

■ 73, 14.712, 92.057

■ 78, 20.646, 91.276

Harmonies

Complementary

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



40, 37.456, 284.595



55, 36.333, 87.308

Rectangle

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



40, 37.456, 284.595



40, 37.456, 334.595



40, 37.456, 104.595



40, 37.456, 154.595

Sweetspot

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



40, 37.455, 284.596



71, 13.452, 276.735



58, 32.911, 169.892



36, 8.990, 277.007



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



40, 37.455, 284.596



46, 56.221, 288.100



35, 53.611, 303.338



30, 3.584, 275.606



22, 65.431, 298.075



1, 3.863, 274.788

Inverse Universe

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



41, 38.655, 4.471



48, 56.151, 7.699



60, 46.584, 114.417



30, 3.695, 357.445



29, 56.052, 20.605



1, 3.911, 356.992

Previews

White Background



This preview shows how the CIELCh color 40, 37.456, 284.595 looks on a white background.

Color Contrast Check

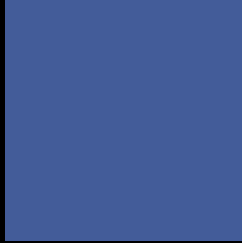
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.456, 284.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

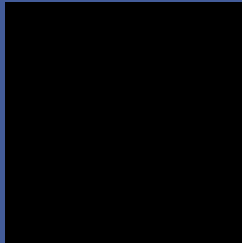
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 37.456, 284.595

Background



This preview shows how black text looks on a background with the CIELCh color 40, 37.456, 284.595.



This preview shows how white text looks on a background with the CIELCh color 40, 37.456, 284.595.

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, 37.456, 284.595

Protanopia

40, 37.349, 285.736

Deuteranopia

40, 36.660, 279.787



Tritanopia
40, 17.609, 213.723

Trichromacy



Original Color
40, 37.456, 284.595

Protanomaly
40, 37.383, 285.351

Deuteranomaly
40, 37.103, 281.644

Tritanomaly
40, 20.592, 252.021

Monochromacy



Original Color
40, 37.456, 284.595

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 13.775, 278.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 37.456, 284.595 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(67, 92, 153)` looks like.

```
.text, #text, p{  
    color:rgb(67, 92, 153)  
}
```

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(67, 92, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 92, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 37.456, 284.595 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(67, 92, 153) }
```

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

```
.border{ border-color:rgb(67, 92, 153) }
```

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

Here you see how a box with a 4 pixel rgb(67, 92, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 92, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 92, 153);  
box-shadow:4px 4px 4px 4px rgb(67, 92,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 37.456, 284.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 92, 153) }
```

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

```
.background{ background-color: rgb(67, 92,  
153) }
```

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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