

Converting Colors

CIELCh(45, 35.098, 280.769)

Have a look what the booklet for
CIELCh(45, 35.098, 280.769)
contains.

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Color

CIELCh(45, 35.147, 280.847)

Conversions

Conversions Part 1

Format	Color
Hex	4D6AA4
RGB	77, 106, 164
RGB Percent	30%, 42%, 64%
CMY	0.6984, 0.5846, 0.3572
CMYK	0.53, 0.35, 0.00, 0.36
HSL	220°, 36%, 47%
HSV	220°, 53%, 64%
XYZ	14.8910, 14.5417, 37.1005
YIQ	103.9410, -35.9020, 11.8900

Conversions

Conversions Part 2

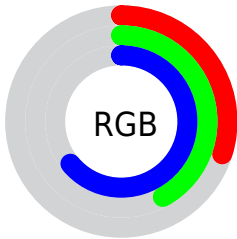
Format	Color
R_{YB}	77, 99, 164
Decimal	5073572
CIE Lab	45.00, 6.61, -34.52
CIE LCh	45, 35.147, 280.847
Yxy	14.5417, 0.2238, 0.2186
Android (android.graphics.Color)	4283263652 (0xFF4D6AA4)
YUV	103.9410, 29.6091, -23.6273
Hunter-Lab	38.1336, 2.9696, -30.9902

Details

The CIELCh color `45, 35.147, 280.847` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `58, 35.258, 84.182`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 35.013, 280.668`, and `25, 35.425, 281.279` is the 20% darker color. If you saturate the color by 10%, you get `41, 42.179, 283.685`, and if you desaturate by 10%, it is `49, 28.273, 278.374`.

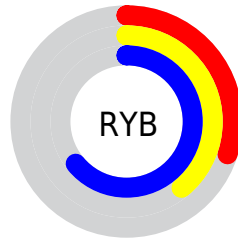
Distribution



Red (30%)

Green (42%)

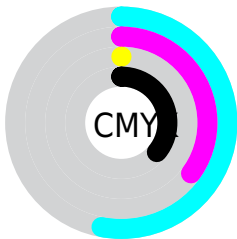
Blue (64%)



Red (30%)

Yellow (39%)

Blue (64%)

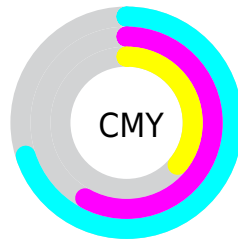


Cyan (53%)

Magenta (35%)

Yellow (0%)

Black (36%)



Cyan (70%)

Magenta (58%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 35.147, 280.847 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 45, 35.147, 280.847 by changing the saturation by 10% instead.


 45, 35.147,
280.847


 45, 35.147,
280.847


 100, 35.147,
280.847


 35, 35.147,
280.847

 65, 35.147,
280.847


 25, 35.147,
280.847

 75, 35.147,
280.847

 15, 35.147,
280.847

 85, 35.147,
280.847

 5, 35.147, 280.847

 95, 35.147,
280.847

 0, 35.147, 280.847

 45, 35.147,

 45, 35.147,

280.847

280.847

■ 41, 42.179,
283.685

■ 49, 28.273,
278.374

■ 37, 49.400,
286.873

■ 53, 21.532,
276.244

■ 33, 56.817,
290.337

■ 58, 14.906,
274.420

■ 30, 64.367,
293.927

■ 62, 8.384, 272.864

■ 28, 69.601,
296.261

■ 66, 1.963, 271.598

■ 70, 4.358, 90.281

■ 74, 10.577, 89.299

■ 79, 16.695, 88.423

■ 83, 22.709, 87.649

Harmonies

Complementary

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



45, 35.147, 280.847



58, 35.258, 84.182

Rectangle

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



45, 35.147, 280.847



45, 35.147, 330.847



45, 35.147, 100.847



45, 35.147, 150.847

Sweetspot

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



45, 35.146, 280.848



77, 12.784, 273.338



61, 34.645, 166.822



40, 8.628, 273.635



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 35.146, 280.848



52, 53.329, 284.336



38, 53.383, 301.671



32, 3.604, 272.337



24, 63.055, 295.882



2, 5.766, 273.549

Inverse Universe

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



45, 39.072, 0.678



53, 57.549, 3.536



65, 46.512, 112.290



32, 3.987, 354.480



30, 56.590, 16.859



1, 5.997, 355.816

Previews

White Background



This preview shows how the CIELCh color 45, 35.147, 280.847 looks on a white background.

Color Contrast Check

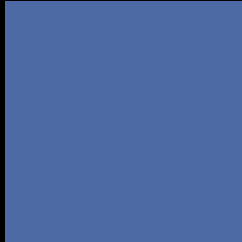
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 35.147, 280.847 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

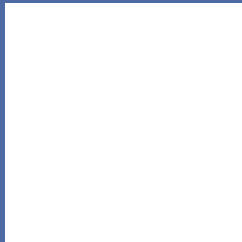
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 35.147, 280.847

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.147, 280.847.



This preview shows how white text looks on a background with the CIELCh color 45, 35.147, 280.847.

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

45, 35.147, 280.847

Protanopia

45, 34.816, 285.297

Deuteranopia

45, 35.147, 280.847



Tritanopia
45, 17.779, 215.396

Trichromacy



Original Color
45, 35.147, 280.847

Protanomaly
45, 34.922, 283.451

Deuteranomaly
45, 35.147, 280.847

Tritanomaly
45, 20.636, 250.314

Monochromacy



Original Color
45, 35.147, 280.847

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.086, 273.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.147, 280.847 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(77, 106, 164)` looks like.

```
.text, #text, p{  
    color:rgb(77, 106, 164)  
}
```

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(77, 106, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 106, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.147, 280.847 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(77, 106, 164) }
```

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

```
.border{ border-color:rgb(77, 106, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 106, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 106, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 106, 164);  
box-shadow:4px 4px 4px 4px rgb(77, 106,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.147, 280.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 106, 164) }
```

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

```
.background{ background-color: rgb(77, 106,  
164) }
```

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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