

Converting Colors

CIELCh(46, 40.125, 284.452)

Have a look what the booklet for
CIELCh(46, 40.125, 284.452)
contains.

| | |
|--|----|
| CIELCh(46, 40.092, 284.396) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(46, 40.092, 284.396)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 506BAE |
| RGB | 80, 107, 174 |
| RGB Percent | 31%, 42%, 68% |
| CMY | 0.6864, 0.5805, 0.3178 |
| CMYK | 0.54, 0.39, 0.00, 0.32 |
| HSL | 223°, 37%, 50% |
| HSV | 223°, 54%, 68% |
| XYZ | 16.1976, 15.2687, 42.1225 |
| YIQ | 106.5650, -37.5990, 15.1130 |

Conversions

Conversions Part 2

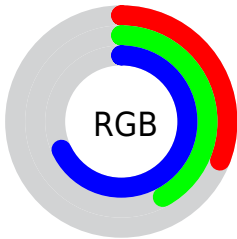
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 80, 101, 174 |
| Decimal | 5270446 |
| CIE Lab | 46.00, 9.97, -38.83 |
| CIE LCh | 46, 40.092, 284.396 |
| Yxy | 15.2687, 0.2201, 0.2075 |
| Android (android.graphics.Color) | 4283460526 (0xFF506BAE) |
| YUV | 106.5650, 33.2455, -23.2975 |
| Hunter-Lab | 39.0751, 5.6112, -36.5613 |

Details

The CIELCh color **46, 40.092, 284.396** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **62, 38.901, 87.726**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 40.182, 284.421**, and **26, 40.204, 284.495** is the 20% darker color. If you saturate the color by 10%, you get **42, 48.139, 287.189**, and if you desaturate by 10%, it is **51, 32.275, 281.950**.

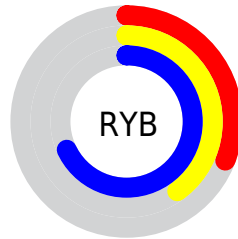
Distribution



Red (31%)

Green (42%)

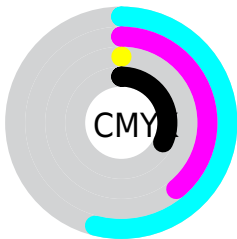
Blue (68%)



Red (31%)

Yellow (40%)

Blue (68%)

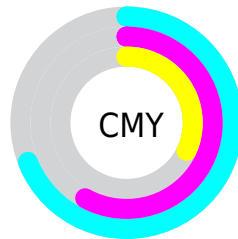


Cyan (54%)

Magenta (39%)

Yellow (0%)

Black (32%)



Cyan (69%)

Magenta (58%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 40.092, 284.396 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 46, 40.092, 284.396 by changing the saturation by 10% instead.


 46, 40.092,
284.396


 46, 40.092,
284.396


 100, 40.092,
284.396


 36, 40.092,
284.396

 66, 40.092,
284.396


 26, 40.092,
284.396

 76, 40.092,
284.396

 16, 40.092,
284.396

 86, 40.092,
284.396

 6, 40.092, 284.396

 96, 40.092,
284.396

 0, 40.092, 284.396

 46, 40.092,

 46, 40.092,

284.396

■ 42, 48.139,
287.189

■ 37, 56.429,
290.296

■ 33, 64.915,
293.621

■ 30, 73.416,
296.984

■ 28, 78.373,
298.823

284.396

■ 51, 32.275,
281.950

■ 55, 24.661,
279.836

■ 60, 17.227,
278.024

■ 65, 9.956, 276.476

■ 69, 2.836, 275.186

■ 74, 4.138, 93.920

■ 78, 10.971, 92.947

■ 83, 17.666, 92.080

■ 88, 24.224, 91.315

Harmonies

Complementary

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



46, 40.092, 284.396



62, 38.901, 87.726

Rectangle

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



46, 40.092, 284.396



46, 40.092, 334.396



46, 40.092, 104.396



46, 40.092, 154.396

Sweetspot

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



46, 40.091, 284.397



81, 14.126, 276.803



65, 35.322, 170.093



42, 9.633, 277.106



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



46, 40.091, 284.397



53, 60.837, 287.824



40, 57.156, 303.158



34, 3.989, 275.828



24, 69.593, 298.426



2, 8.855, 278.267

Inverse Universe

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



47, 41.305, 4.352



55, 60.816, 7.474



68, 49.902, 114.490



34, 4.095, 357.659



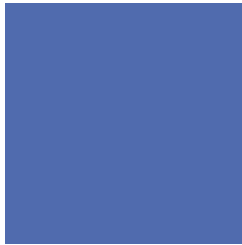
31, 59.195, 21.244



2, 8.276, 0.669

Previews

White Background



This preview shows how the CIE LCh color 46, 40.092, 284.396 looks on a white background.

Color Contrast Check

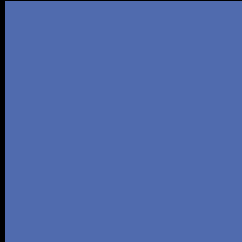
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 40.092, 284.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

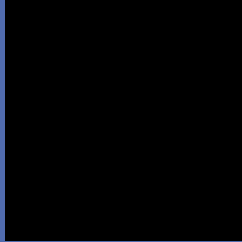
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

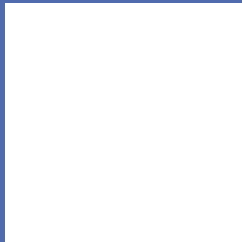
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 40.092, 284.396

Background



This preview shows how black text looks on a background with the CIELCh color 46, 40.092, 284.396.



This preview shows how white text looks on a background with the CIELCh color 46, 40.092, 284.396.

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

46, 40.092, 284.396

Protanopia

46, 40.008, 285.896

Deuteranopia

46, 39.332, 279.907



Tritanopia
46, 18.544, 214.514

Trichromacy



Original Color
46, 40.092, 284.396

Protanomaly
46, 40.042, 285.533

Deuteranomaly
46, 39.758, 281.637

Tritanomaly
46, 21.994, 253.312

Monochromacy



Original Color
46, 40.092, 284.396

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 14.656, 277.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 40.092, 284.396 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(80, 107, 174)` looks like.

```
.text, #text, p{  
    color:rgb(80, 107, 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(80, 107, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 107, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 40.092, 284.396 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(80, 107, 174) }
```

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

```
.border{ border-color:rgb(80, 107, 174) }
```

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

Here you see how a box with a 4 pixel rgb(80, 107, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 107, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 107, 174);  
box-shadow:4px 4px 4px 4px rgb(80, 107,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 40.092, 284.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 107, 174) }
```

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

```
.background{ background-color: rgb(80, 107,  
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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