

Converting Colors

CIELCh(46, 47.402, 296.291)

Have a look what the booklet for
CIELCh(46, 47.402, 296.291)
contains.

CIELCh(46, 46.855, 296.182)	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(46, 46.855, 296.182)

Conversions

Conversions Part 1

Format	Color
Hex	6565B4
RGB	101, 101, 180
RGB Percent	40%, 40%, 71%
CMY	0.6053, 0.6052, 0.2956
CMYK	0.44, 0.44, 0.00, 0.30
HSL	240°, 34%, 55%
HSV	240°, 44%, 70%
XYZ	18.1477, 15.2687, 44.9718
YIQ	110.0060, -25.3590, 24.5690

Conversions

Conversions Part 2

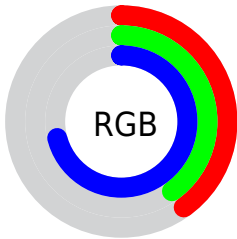
Format	Color
R_{YB}	101, 101, 180
Decimal	6645172
CIE _{Lab}	46.00, 20.67, -42.05
CIE _{LCh}	46, 46.855, 296.182
Yxy	15.2687, 0.2315, 0.1948
Android (android.graphics.Color)	4284835252 (0xFF6565B4)
YUV	110.0060, 34.5070, -7.8983
Hunter-Lab	39.0751, 14.5193, -40.8845

Details

The CIELCh color $46, 46.855, 296.182$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $72, 41.752, 106.002$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 46.609, 296.282$, and $26, 47.385, 296.567$ is the 20% darker color. If you saturate the color by 10%, you get $40, 58.689, 298.169$, and if you desaturate by 10%, it is $52, 35.438, 294.432$.

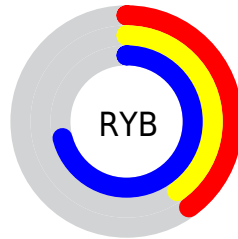
Distribution



Red (40%)

Green (40%)

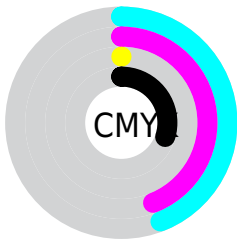
Blue (71%)



Red (40%)

Yellow (40%)

Blue (71%)

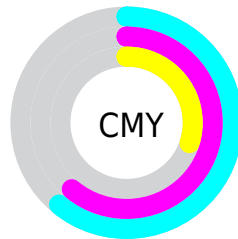


Cyan (44%)

Magenta (44%)

Yellow (0%)

Black (30%)



Cyan (61%)


Magenta (61%)

Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 46.855, 296.182 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, 46.855, 296.182 by changing the saturation by 10% instead.


 46, 46.855,
296.182


 46, 46.855,
296.182


 100, 46.855,
296.182


 36, 46.855,
296.182

 66, 46.855,
296.182


 26, 46.855,
296.182

 76, 46.855,
296.182

 16, 46.855,
296.182

 86, 46.855,
296.182

 6, 46.855, 296.182

 96, 46.855,
296.182

 0, 46.855, 296.182

 46, 46.855,

 46, 46.855,

296.182

296.182

■ 40, 58.689,
298.169

■ 52, 35.438,
294.432

■ 34, 70.742,
300.330

■ 58, 24.486,
292.926

■ 29, 82.460,
302.506

■ 65, 13.985,
291.643

■ 25, 92.705,
304.419

■ 71, 3.905, 290.563

■ 77, 5.785, 109.612


■ 22, 99.827,
305.732

■ 83, 15.116,
108.830

■ 21, 102.852,
306.282

■ 89, 24.112,
108.158

■ 95, 32.798,
107.580

 98, 37.829,
107.293

Harmonies

Complementary

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



46, 46.855, 296.182



72, 41.752, 106.002

Rectangle

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



46, 46.855, 296.182



46, 46.855, 346.182



46, 46.855, 116.182



46, 46.855, 166.182

Sweetspot

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



46, 46.854, 296.183



83, 16.139, 291.555



68, 25.521, 195.726



42, 11.333, 291.814



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



46, 46.854, 296.183



52, 71.589, 298.157



49, 47.922, 310.735



34, 5.588, 291.115



17, 91.370, 306.281



1, 13.313, 290.165

Inverse Universe

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



52, 34.666, 23.863



62, 53.397, 25.831



69, 44.861, 126.436



35, 3.911, 19.880



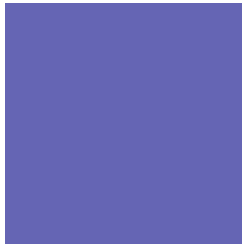
31, 70.915, 39.510



2, 9.156, 19.379

Previews

White Background



This preview shows how the CIELCh color 46, 46.855, 296.182 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, 46.855, 296.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

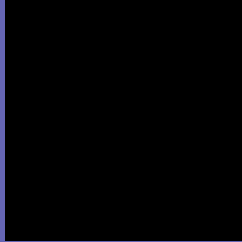
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 46.855, 296.182

Background



This preview shows how black text looks on a background with the CIELCh color 46, 46.855, 296.182.



This preview shows how white text looks on a background with the CIELCh color 46, 46.855, 296.182.

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, 46.855, 296.182

Protanopia

46, 47.086, 286.294

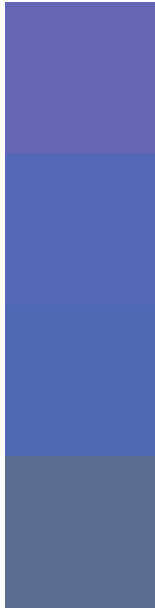
Deuteranopia

46, 41.762, 279.869



Tritanopia
46, 11.346, 230.278

Trichromacy



Original Color
46, 46.855, 296.182

Protanomaly
46, 46.924, 289.539

Deuteranomaly
46, 43.559, 286.022

Tritanomaly
46, 21.444, 276.438

Monochromacy



Original Color
46, 46.855, 296.182

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 16.655, 292.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 46.855, 296.182 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(101, 101, 180)` looks like.

```
.text, #text, p{  
    color:rgb(101, 101, 180)  
}
```

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(101, 101, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 101, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 46.855, 296.182 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(101, 101, 180) }
```

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

```
.border{ border-color:rgb(101, 101, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 101, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 101, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 101, 180);  
box-shadow:4px 4px 4px 4px rgb(101, 101,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 46.855, 296.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 101, 180) }
```

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

```
.background{ background-color: rgb(101,  
101, 180) }
```

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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