

Converting Colors

CIELCh(46, 32.288, 289.225)

Have a look what the booklet for
CIELCh(46, 32.288, 289.225)
contains.

CIELCh(46, 32.120, 288.717)	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, 32.120, 288.717)

Conversions

Conversions Part 1

Format	Color
Hex	606AA0
RGB	96, 106, 160
RGB Percent	38%, 42%, 63%
CMY	0.6244, 0.5851, 0.3735
CMYK	0.40, 0.34, 0.00, 0.37
HSL	231°, 25%, 50%
HSV	231°, 40%, 63%
XYZ	16.2572, 15.2687, 35.2413
YIQ	109.1660, -23.2940, 14.6740

Conversions

Conversions Part 2

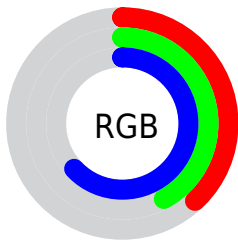
Format	Color
R_{YB}	96, 105, 160
Decimal	6318752
CIE _{Lab}	46.00, 10.31, -30.42
CIE _{LCh}	46, 32.120, 288.717
Yxy	15.2687, 0.2435, 0.2287
Android (android.graphics.Color)	4284508832 (0xFF606AA0)
YUV	109.1660, 25.0612, -11.5466
Hunter-Lab	39.0751, 5.8833, -26.1201

Details

The CIELCh color $46, 32.120, 288.717$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 30.132, 98.461$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 32.183, 288.882$, and $26, 32.079, 288.806$ is the 20% darker color. If you saturate the color by 10%, you get $41, 40.863, 290.801$, and if you desaturate by 10%, it is $51, 23.688, 286.917$.

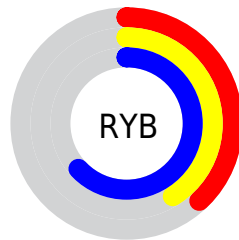
Distribution



Red (38%)

Green (42%)

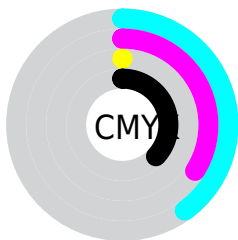
Blue (63%)



Red (38%)

Yellow (41%)

Blue (63%)

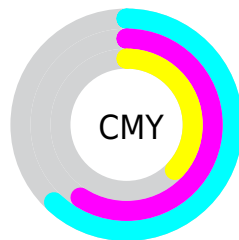


Cyan (40%)

Magenta (34%)

Yellow (0%)

Black (37%)



Cyan (62%)

Magenta (59%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 32.120, 288.717 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, 32.120, 288.717 by changing the saturation by 10% instead.


 46, 32.120,
288.717


 46, 32.120,
288.717


 100, 32.120,
288.717


 36, 32.120,
288.717

 66, 32.120,
288.717


 26, 32.120,
288.717

 76, 32.120,
288.717

 16, 32.120,
288.717

 86, 32.120,
288.717

 6, 32.120, 288.717

 96, 32.120,
288.717

 0, 32.120, 288.717

 46, 32.120,

 46, 32.120,

288.717

■ 41, 40.863,
290.801

■ 36, 49.927,
293.172

■ 32, 59.257,
295.791

■ 28, 68.656,
298.545

■ 24, 77.647,
301.227

■ 21, 85.419,
303.471

288.717

■ 51, 23.688,
286.917

■ 56, 15.548,
285.373

■ 61, 7.674, 284.056

■ 66, 0.046, 285.343

■ 71, 7.352, 101.910

■ 76, 14.535,
101.071

■ 80, 21.514,
100.336

■ 85, 28.301, 99.692

■ 90, 34.904, 99.124

Harmonies

Complementary

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



46, 32.120, 288.717



62, 30.132, 98.461

Rectangle

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



46, 32.120, 288.717



46, 32.120, 338.717



46, 32.120, 108.717



46, 32.120, 158.717

Sweetspot

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



46, 32.119, 288.717



76, 11.330, 284.324



61, 23.140, 182.244



39, 7.589, 284.477



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



46, 32.119, 288.717



54, 48.204, 290.545



45, 38.946, 305.686



31, 4.275, 283.958



18, 78.090, 303.250



1, 5.571, 283.338

Inverse Universe

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



48, 27.840, 11.381



57, 41.729, 13.072



63, 36.007, 120.890



31, 3.605, 7.373



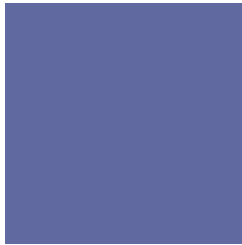
29, 61.412, 31.368



1, 4.588, 7.263

Previews

White Background



This preview shows how the CIELCh color 46, 32.120, 288.717 looks on a white background.

Color Contrast Check

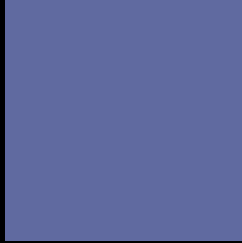
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.120, 288.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

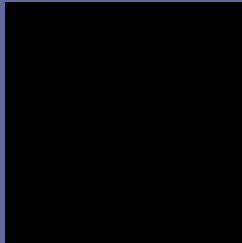
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 32.120, 288.717

Background



This preview shows how black text looks on a background with the CIELCh color 46, 32.120, 288.717.



This preview shows how white text looks on a background with the CIELCh color 46, 32.120, 288.717.

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, 32.120, 288.717

Protanopia

46, 32.250, 285.481

Deuteranopia

46, 30.650, 282.394



Tritanopia
46, 11.105, 227.442

Trichromacy



Original Color
46, 32.120, 288.717

Protanomaly
46, 32.181, 286.526

Deuteranomaly
46, 31.097, 284.920

Tritanomaly
46, 16.718, 267.476

Monochromacy



Original Color
46, 32.120, 288.717

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 11.367, 284.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 32.120, 288.717 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(96, 106, 160)` looks like.

```
.text, #text, p{  
    color:rgb(96, 106, 160)  
}
```

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(96, 106, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 106, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 32.120, 288.717 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(96, 106, 160) }
```

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

```
.border{ border-color:rgb(96, 106, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 106, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 106, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 106, 160);  
box-shadow:4px 4px 4px 4px rgb(96, 106,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 32.120, 288.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 106, 160) }
```

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

```
.background{ background-color: rgb(96, 106,  
160) }
```

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