

Converting Colors

CIELCh(30, 11.799, 306.829)

Have a look what the booklet for
CIELCh(30, 11.799, 306.829)
contains.

CIELCh(30, 11.323, 306.881)	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(30, 11.323, 306.881)

Conversions

Conversions Part 1

Format	Color
Hex	4B4455
RGB	75, 68, 85
RGB Percent	29%, 27%, 33%
CMY	0.7070, 0.7344, 0.6678
CMYK	0.12, 0.20, 0.00, 0.67
HSL	265°, 11%, 30%
HSV	265°, 20%, 33%
XYZ	6.5576, 6.2359, 9.3918
YIQ	72.0310, -1.2850, 6.7710

Conversions

Conversions Part 2

Format	Color
R_YB	75, 68, 85
Decimal	4932693
CIE Lab	30.00, 6.80, -9.06
CIE LCh	30, 11.323, 306.881
Yxy	6.2359, 0.2956, 0.2811
Android (android.graphics.Color)	4283122773 (0xFF4B4455)
YUV	72.0310, 6.3937, 2.6038
Hunter-Lab	24.9718, 3.1734, -4.8184

Details

The CIELCh color **30, 11.323, 306.881** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **35, 10.989, 125.025**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 11.594, 306.941**, and **10, 11.452, 307.172** is the 20% darker color. If you saturate the color by 10%, you get **27, 17.203, 307.431**, and if you desaturate by 10%, it is **33, 5.596, 306.373**.

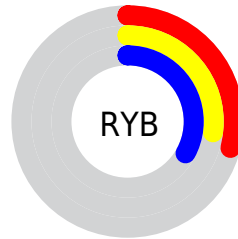
Distribution



Red (29%)

Green (27%)

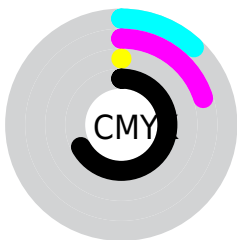
Blue (33%)



Red (29%)

Yellow (27%)

Blue (33%)

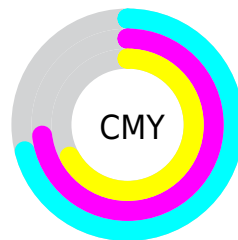


Cyan (12%)

Magenta (20%)

Yellow (0%)

Black (67%)



Cyan (71%)


Magenta (73%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 11.323, 306.881 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 30, 11.323, 306.881 by changing the saturation by 10% instead.


 30, 11.323,
306.881


 30, 11.323,
306.881

 100, 11.323,
306.881


 20, 11.323,
306.881


 50, 11.323,
306.881


 10, 11.323,
306.881

 60, 11.323,
306.881

 0, 11.323, 306.881

 70, 11.323,
306.881

 80, 11.323,
306.881

 90, 11.323,
306.881

■ 30, 11.323,
306.881

■ 30, 11.323,
306.881

■ 27, 17.203,
307.431

■ 33, 5.596, 306.373

■ 36, 0.035, 304.578

■ 24, 23.213,
308.020

■ 39, 5.360, 125.531

■ 21, 29.303,
308.633

■ 42, 10.592,
125.167

■ 18, 35.377,
309.241

■ 45, 15.667,
124.848

■ 16, 41.277,
309.799

■ 48, 20.592,
124.568

■ 13, 46.748,
310.237

■ 51, 25.374,
124.324

■ 11, 51.468,
310.471

■ 54, 30.022,
124.112

■ 9, 56.481, 310.962

■ 57, 34.543,
123.928

Harmonies

Complementary

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



30, 11.323, 306.881



35, 10.989, 125.025

Rectangle

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



30, 11.323, 306.881



30, 11.323, 356.881



30, 11.323, 126.881



30, 11.323, 176.881

Sweetspot

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



30, 11.322, 306.880



44, 4.111, 306.187



32, 5.875, 246.167



22, 2.750, 306.203



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



30, 11.322, 306.880



37, 16.878, 307.136



31, 12.643, 322.596



16, 3.169, 306.312



13, 66.748, 310.626



35, 119.581, 309.915

Inverse Universe

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



31, 9.782, 340.617



39, 14.522, 341.001



34, 12.587, 140.709



16, 2.758, 339.747



22, 46.331, 352.179



51, 81.433, 354.459

Previews

White Background



This preview shows how the CIELCh color 30, 11.323, 306.881 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 11.323, 306.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30, 11.323, 306.881

Background



This preview shows how black text looks on a background with the CIELCh color 30, 11.323, 306.881.



This preview shows how white text looks on a background with the CIELCh color 30, 11.323, 306.881.

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


30, 11.323, 306.881

Protanopia

30, 10.291, 285.383

Deuteranopia

30, 9.674, 296.801



Tritanopia
30, 4.242, 314.946

Trichromacy



Original Color
30, 11.323, 306.881

Protanomaly
30, 10.922, 294.299

Deuteranomaly
30, 9.721, 299.217

Tritanomaly
30, 6.782, 309.577

Monochromacy



Original Color
30, 11.323, 306.881

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 4.682, 306.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 11.323, 306.881 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(75, 68, 85)` looks like.

```
.text, #text, p{  
    color:rgb(75, 68, 85)  
}
```

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(75, 68, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 68, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 11.323, 306.881 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(75, 68, 85) }
```

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

```
.border{ border-color:rgb(75, 68, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 68, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 68, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 68, 85);  
box-shadow:4px 4px 4px 4px rgb(75, 68, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 11.323, 306.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 68, 85) }
```

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

```
.background{ background-color: rgb(75, 68,  
85) }
```

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