

Converting Colors

CIELCh(30, 17.580, 359.596)

Have a look what the booklet for
CIELCh(30, 17.580, 359.596)
contains.

CIELCh(30, 17.580, 359.596)	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, 17.580, 359.596)

Conversions

Conversions Part 1

Format	Color
Hex	603C47
RGB	96, 60, 71
RGB Percent	38%, 24%, 28%
CMY	0.6220, 0.7633, 0.7202
CMYK	0.00, 0.37, 0.26, 0.62
HSL	342°, 23%, 31%
HSV	342°, 37%, 38%
XYZ	7.6475, 6.2359, 6.8217
YIQ	72.0180, 17.9250, 11.0530

Conversions

Conversions Part 2

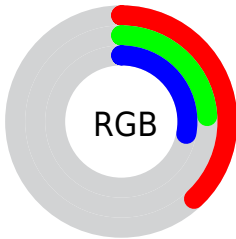
Format	Color
RYB	96, 60, 71
Decimal	6306887
CIELab	30.00, 17.58, -0.12
CIELCh	30, 17.580, 359.596
Yxy	6.2359, 0.3694, 0.3012
Android (android.graphics.Color)	4284496967 (0xFF603C47)
YUV	72.0180, -0.5019, 21.0322
Hunter-Lab	24.9718, 10.9639, 1.2836

Details

The CIELCh color **30, 17.580, 359.596** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **38, 15.879, 172.084**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 17.282, 359.982**, and **10, 17.274, 359.367** is the 20% darker color. If you saturate the color by 10%, you get **27, 22.425, 1.148**, and if you desaturate by 10%, it is **33, 12.720, 358.293**.

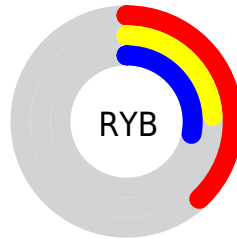
Distribution



 Red (38%)

 Green (24%)

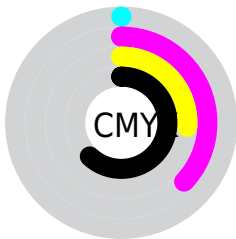
 Blue (28%)



 Red (38%)

 Yellow (24%)

 Blue (28%)

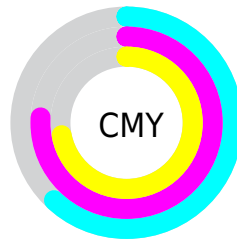


 Cyan (0%)

 Magenta (37%)

 Yellow (26%)

 Black (62%)



 Cyan (62%)


 Magenta (76%)


 Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 17.580, 359.596 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, 17.580, 359.596 by changing the saturation by 10% instead.


 30, 17.580,
359.596


 30, 17.580,
359.596

 100, 17.580,
359.596


 20, 17.580,
359.596


 50, 17.580,
359.596


 10, 17.580,
359.596

 60, 17.580,
359.596

 0, 17.580, 359.596

 70, 17.580,
359.596

 80, 17.580,
359.596

 90, 17.580,
359.596

30, 17.580,
359.596

30, 17.580,
359.596

27, 22.425, 1.148

33, 12.720,
358.293

25, 27.123, 3.023

36, 7.946, 357.167

23, 31.493, 5.333

39, 3.313, 356.150

21, 35.344, 8.210

42, 1.148, 175.624

20, 38.524, 11.793

45, 5.424, 174.670

19, 41.352, 15.756

48, 9.516, 173.961

18, 42.166, 16.708

51, 13.431,
173.329

54, 17.180,
172.754

57, 20.775,
172.227

Harmonies

Complementary

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



30, 17.580, 359.596



38, 15.879, 172.084

Rectangle

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



30, 17.580, 359.596



30, 17.580, 49.596



30, 17.580, 179.596



30, 17.580, 229.596

Sweetspot

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



30, 17.579, 359.598



48, 6.158, 356.547



30, 25.061, 316.695



24, 4.177, 356.635



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



30, 17.579, 359.598



36, 26.360, 0.974



31, 14.836, 37.695



18, 2.536, 356.302



22, 47.136, 17.828



51, 83.922, 21.660

Inverse Universe

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



30, 17.579, 359.598



36, 26.360, 0.974



36, 11.568, 219.004



18, 2.536, 356.302



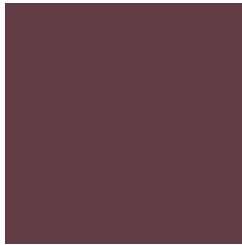
22, 47.136, 17.828



51, 83.922, 21.660

Previews

White Background



This preview shows how the CIE LCh color 30, 17.580, 359.596 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, 17.580, 359.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

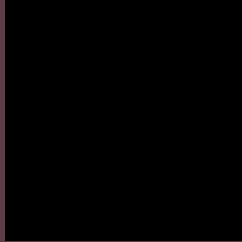
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 17.580, 359.596

Background



This preview shows how black text looks on a background with the CIELCh color 30, 17.580, 359.596.



This preview shows how white text looks on a background with the CIELCh color 30, 17.580, 359.596.

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, 17.580, 359.596

Protanopia

30, 3.855, 284.575

Deuteranopia

30, 4.088, 11.079



Tritanopia
30, 16.480, 11.527

Trichromacy



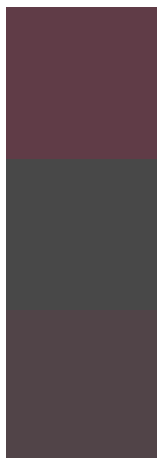
Original Color
30, 17.580, 359.596

Protanomaly
30, 7.681, 339.016

Deuteranomaly
30, 8.960, 4.528

Tritanomaly
30, 16.595, 7.186

Monochromacy



Original Color
30, 17.580, 359.596

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 6.342, 356.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 17.580, 359.596 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, 60, 71)` looks like.

```
.text, #text, p{  
    color:rgb(96, 60, 71)  
}
```

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, 60, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 60, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 17.580, 359.596 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, 60, 71) }
```

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

```
.border{ border-color:rgb(96, 60, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 60, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 60, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 60, 71);  
box-shadow:4px 4px 4px 4px rgb(96, 60, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 17.580, 359.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 60, 71) }
```

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

```
.background{ background-color: rgb(96, 60,  
71) }
```

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