

Converting Colors

CIELCh(30, 17.923, 331.713)

Have a look what the booklet for
CIELCh(30, 17.923, 331.713)
contains.

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Color

CIELCh(30, 18.067, 331.774)

Conversions

Conversions Part 1

Format	Color
Hex	593E54
RGB	89, 62, 84
RGB Percent	35%, 24%, 33%
CMY	0.6504, 0.7563, 0.6700
CMYK	0.00, 0.30, 0.06, 0.65
HSL	311°, 18%, 30%
HSV	311°, 30%, 35%
XYZ	7.4723, 6.2359, 9.2294
YIQ	72.5810, 9.0300, 12.5660

Conversions

Conversions Part 2

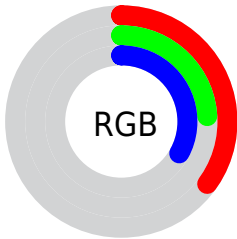
Format	Color
R_{YB}	89, 62, 84
Decimal	5848660
CIE Lab	30.00, 15.92, -8.54
CIE LCh	30, 18.067, 331.774
Yxy	6.2359, 0.3258, 0.2719
Android (android.graphics.Color)	4284038740 (0xFF593E54)
YUV	72.5810, 5.6296, 14.3995
Hunter-Lab	24.9718, 9.7117, -4.4328

Details

The CIELCh color $30, 18.067, 331.774$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $35, 17.998, 147.952$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $50, 18.087, 330.818$, and $10, 18.035, 332.225$ is the 20% darker color. If you saturate the color by 10%, you get $28, 23.910, 332.393$, and if you desaturate by 10%, it is $33, 12.094, 331.169$.

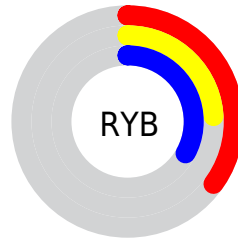
Distribution



 Red (35%)

 Green (24%)

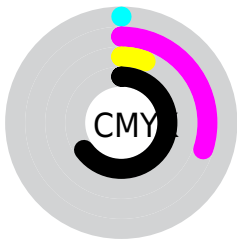
 Blue (33%)



 Red (35%)

 Yellow (24%)

 Blue (33%)

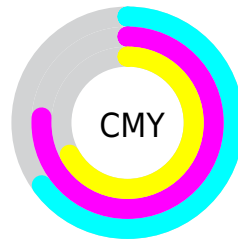


 Cyan (0%)

 Magenta (30%)

 Yellow (6%)

 Black (65%)



 Cyan (65%)


 Magenta (76%)


 Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 18.067, 331.774 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, 18.067, 331.774 by changing the saturation by 10% instead.


 30, 18.067,
331.774


 30, 18.067,
331.774

 100, 18.067,
331.774


 20, 18.067,
331.774


 50, 18.067,
331.774


 10, 18.067,
331.774

 60, 18.067,
331.774

 0, 18.067, 331.774

 70, 18.067,
331.774

 80, 18.067,
331.774

 90, 18.067,
331.774

■ 30, 18.067,
331.774

■ 30, 18.067,
331.774

■ 28, 23.910,
332.393

■ 33, 12.094,
331.169

■ 25, 29.477,
333.025

■ 35, 6.105, 330.573

■ 23, 34.575,
333.672

■ 38, 0.175, 329.068

■ 41, 5.647, 149.524

■ 22, 38.982,
334.341

■ 43, 11.333,
148.989

■ 20, 42.474,
335.043

■ 46, 16.868,
148.488

■ 19, 44.886,
335.794

■ 49, 22.246,
148.013

■ 18, 46.944,
336.513

■ 52, 27.467,
147.563

■ 55, 32.536,
147.137

Harmonies

Complementary

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



30, 18.067, 331.774



35, 17.998, 147.952

Rectangle

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



30, 18.067, 331.774



30, 18.067, 21.774



30, 18.067, 151.774



30, 18.067, 201.774

Sweetspot

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



30, 18.066, 331.774



45, 6.570, 330.512



28, 17.692, 299.710



23, 4.605, 330.572



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



30, 18.066, 331.774



37, 26.364, 332.196



30, 13.304, 357.821



16, 3.241, 330.479



23, 53.205, 336.745



53, 93.741, 337.439

Inverse Universe

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



30, 18.066, 331.774



37, 26.364, 332.196



36, 12.315, 172.086



16, 3.241, 330.479



23, 53.205, 336.745



53, 93.741, 337.439

Previews

White Background



This preview shows how the CIE LCh color 30, 18.067, 331.774 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, 18.067, 331.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

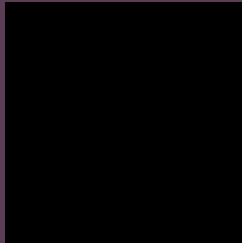
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 18.067, 331.774

Background



This preview shows how black text looks on a background with the CIELCh color 30, 18.067, 331.774.



This preview shows how white text looks on a background with the CIELCh color 30, 18.067, 331.774.

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, 18.067, 331.774

Protanopia

30, 12.859, 285.580

Deuteranopia

30, 9.087, 299.658



Tritanopia
30, 10.451, 3.627

Trichromacy



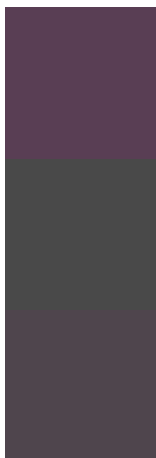
Original Color
30, 18.067, 331.774

Protanomaly
30, 13.832, 304.380

Deuteranomaly
30, 11.297, 316.072

Tritanomaly
30, 12.695, 348.322

Monochromacy



Original Color
30, 18.067, 331.774

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 6.732, 331.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 18.067, 331.774 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(89, 62, 84)` looks like.

```
.text, #text, p{  
    color:rgb(89, 62, 84)  
}
```

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(89, 62, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 62, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 18.067, 331.774 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(89, 62, 84) }
```

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

```
.border{ border-color:rgb(89, 62, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 62, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 62, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 62, 84);  
box-shadow:4px 4px 4px 4px rgb(89, 62, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 18.067, 331.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 62, 84) }
```

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

```
.background{ background-color: rgb(89, 62,  
84) }
```

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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