

Converting Colors

CIELCh(30, 65.100, 311.482)

Have a look what the booklet for
CIELCh(30, 65.100, 311.482)
contains.

CIELCh(30, 65.198, 311.347)	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, 65.198, 311.347)

Conversions

Conversions Part 1

Format	Color
Hex	5C2C94
RGB	92, 44, 148
RGB Percent	36%, 17%, 58%
CMY	0.6387, 0.8270, 0.4191
CMYK	0.38, 0.70, 0.00, 0.42
HSL	268°, 54%, 38%
HSV	268°, 70%, 58%
XYZ	10.6894, 6.2359, 28.7146
YIQ	70.2080, -4.7760, 42.5200

Conversions

Conversions Part 2

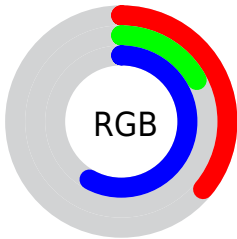
Format	Color
R_{YB}	92, 44, 148
Decimal	6040724
CIE _{Lab}	30.00, 43.07, -48.95
CIE _{LCh}	30, 65.198, 311.347
Yxy	6.2359, 0.2342, 0.1366
Android (android.graphics.Color)	4284230804 (0xFF5C2C94)
YUV	70.2080, 38.3515, 19.1116
Hunter-Lab	24.9718, 32.7078, -50.6962

Details

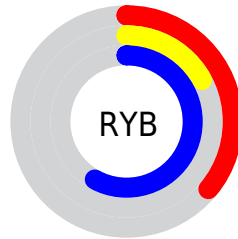
The CIELCh color **30, 65.198, 311.347** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **56, 58.056, 124.933**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 65.562, 311.537**, and **11, 62.031, 310.291** is the 20% darker color. If you saturate the color by 10%, you get **27, 73.066, 311.594**, and if you desaturate by 10%, it is **34, 56.277, 310.908**.

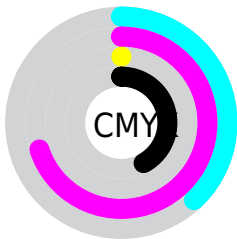
Distribution



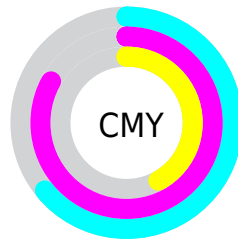
- Red (36%)
- Green (17%)
- Blue (58%)



- Red (36%)
- Yellow (17%)
- Blue (58%)



- Cyan (38%)
- Magenta (70%)
- Yellow (0%)
- Black (42%)





- Cyan (64%)
- Magenta (83%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 65.198, 311.347 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, 65.198, 311.347 by changing the saturation by 10% instead.


 30, 65.198,
311.347


 30, 65.198,
311.347

 100, 65.198,
311.347


 20, 65.198,
311.347


 50, 65.198,
311.347


 10, 65.198,
311.347

 60, 65.198,
311.347

 0, 65.198, 311.347

 70, 65.198,
311.347

 80, 65.198,
311.347

 90, 65.198,
311.347

■ 30, 65.198,
311.347

■ 30, 65.198,
311.347

■ 27, 73.066,
311.594

■ 34, 56.277,
310.908

■ 24, 79.224,
311.534

■ 38, 46.831,
310.369

■ 22, 83.753,
311.255

■ 43, 37.217,
309.794

■ 47, 27.651,
309.222

■ 52, 18.255,
308.679

■ 57, 9.093, 308.173

■ 61, 0.193, 307.291

■ 66, 8.435, 127.329

■ 71, 16.794,
126.963

Harmonies

Complementary

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



30, 65.198, 311.347



56, 58.056, 124.933

Rectangle

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



30, 65.198, 311.347



30, 65.198, 1.347



30, 65.198, 131.347



30, 65.198, 181.347

Sweetspot

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



30, 65.198, 311.347



66, 23.652, 308.743



41, 31.198, 265.064



33, 16.016, 308.875



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



30, 65.198, 311.347



34, 93.574, 311.606



37, 65.588, 326.117



29, 5.016, 308.123



20, 79.353, 311.329



0, 4.332, 307.715

Inverse Universe

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



36, 49.240, 349.750



44, 66.964, 353.308



54, 66.269, 137.542



29, 4.175, 342.315



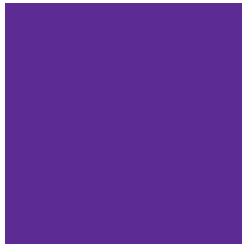
29, 54.220, 357.407



1, 3.615, 341.637

Previews

White Background



This preview shows how the CIELCh color 30, 65.198, 311.347 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, 65.198, 311.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

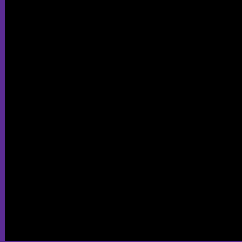
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 65.198, 311.347

Background



This preview shows how black text looks on a background with the CIELCh color 30, 65.198, 311.347.



This preview shows how white text looks on a background with the CIELCh color 30, 65.198, 311.347.

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, 65.198, 311.347

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 35.461, 273.335



Tritanopia
30, 4.768, 338.137

Trichromacy



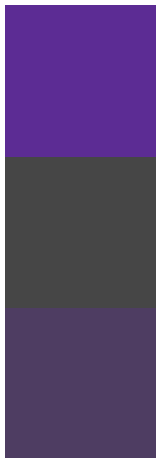
Original Color
30, 65.198, 311.347

Protanomaly
29, 55.003, 293.902

Deuteranomaly
28, 45.707, 289.796

Tritanomaly
29, 27.764, 312.927

Monochromacy



Original Color
30, 65.198, 311.347

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 24.780, 309.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 65.198, 311.347 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(92, 44, 148)` looks like.

```
.text, #text, p{  
    color:rgb(92, 44, 148)  
}
```

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(92, 44, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 44, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 65.198, 311.347 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(92, 44, 148) }
```

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

```
.border{ border-color:rgb(92, 44, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 44, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 44, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 44, 148);  
box-shadow:4px 4px 4px 4px rgb(92, 44,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 65.198, 311.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 44, 148) }
```

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

```
.background{ background-color: rgb(92, 44,  
148) }
```

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