

Converting Colors

CIELCh(30, 63.480, 322.480)

Have a look what the booklet for
CIELCh(30, 63.480, 322.480)
contains.

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Color

CIELCh(30, 63.595, 322.434)

Conversions

Conversions Part 1

Format	Color
Hex	731E84
RGB	115, 30, 132
RGB Percent	45%, 12%, 52%
CMY	0.5491, 0.8824, 0.4824
CMYK	0.13, 0.77, 0.00, 0.48
HSL	290°, 63%, 32%
HSV	290°, 77%, 52%
XYZ	11.6943, 6.2359, 22.4093
YIQ	67.0430, 17.9180, 49.7420

Conversions

Conversions Part 2

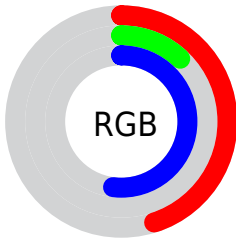
Format	Color
RYB	115, 30, 132
Decimal	7544452
CIELab	30.00, 50.41, -38.77
CIElCh	30, 63.595, 322.434
Yxy	6.2359, 0.2899, 0.1546
Android (android.graphics.Color)	4285734532 (0xFF731E84)
YUV	67.0430, 32.0238, 42.0583
Hunter-Lab	24.9718, 39.8911, -35.7256

Details

The CIELCh color **30, 63.595, 322.434** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **49, 63.125, 135.144**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 63.796, 322.399**, and **13, 51.843, 319.868** is the 20% darker color. If you saturate the color by 10%, you get **28, 68.097, 322.358**, and if you desaturate by 10%, it is **32, 57.519, 322.343**.

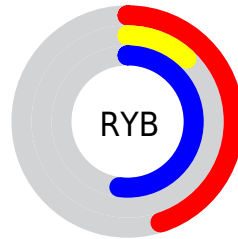
Distribution



Red (45%)

Green (12%)

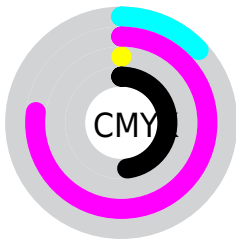
Blue (52%)



Red (45%)

Yellow (12%)

Blue (52%)

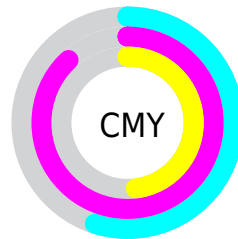


Cyan (13%)

Magenta (77%)

Yellow (0%)

Black (48%)



Cyan (55%)


Magenta (88%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 63.595, 322.434 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, 63.595, 322.434 by changing the saturation by 10% instead.


 30, 63.595,
322.434


 30, 63.595,
322.434

 100, 63.595,
322.434


 20, 63.595,
322.434


 50, 63.595,
322.434


 10, 63.595,
322.434

 60, 63.595,
322.434

 0, 63.595, 322.434

 70, 63.595,
322.434

 80, 63.595,
322.434

 90, 63.595,
322.434

■ 30, 63.595,
322.434

■ 30, 63.595,
322.434

■ 28, 68.097,
322.358

■ 32, 57.519,
322.343

■ 27, 71.074,
322.120

■ 35, 50.214,
322.120

■ 27, 71.850,
322.057

■ 38, 42.052,
321.799

■ 41, 33.365,
321.414

■ 45, 24.417,
320.990

■ 49, 15.399,
320.547

■ 52, 6.444, 320.091

■ 56, 2.366, 139.752

■ 60, 10.980,
139.284

Harmonies

Complementary

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



30, 63.595, 322.434



49, 63.125, 135.144

Rectangle

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



30, 63.595, 322.434



30, 63.595, 12.434



30, 63.595, 142.434



30, 63.595, 192.434

Sweetspot

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



30, 63.594, 322.434



59, 25.382, 320.825



24, 55.690, 296.982



29, 17.725, 320.963



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 63.594, 322.434



36, 85.014, 322.165



31, 51.167, 342.781



26, 5.014, 320.178



26, 71.088, 322.065



0, 1.192, 319.796

Inverse Universe

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



30, 46.563, 20.234



36, 66.515, 28.170



48, 52.502, 147.000



26, 3.121, 6.551



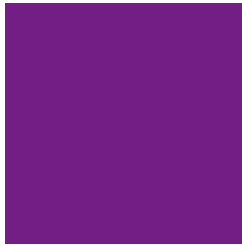
26, 56.736, 30.144



0, 0.730, 5.823

Previews

White Background



This preview shows how the CIELCh color 30, 63.595, 322.434 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, 63.595, 322.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

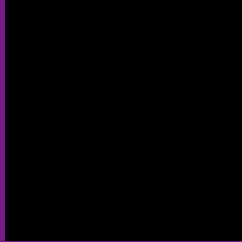
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 63.595, 322.434

Background



This preview shows how black text looks on a background with the CIELCh color 30, 63.595, 322.434.



This preview shows how white text looks on a background with the CIELCh color 30, 63.595, 322.434.

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, 63.595, 322.434

Protanopia

30, 49.959, 286.080

Deuteranopia

31, 34.105, 277.260



Tritanopia
30, 23.197, 16.306

Trichromacy



Original Color
30, 63.595, 322.434

Protanomaly
27, 55.894, 296.842

Deuteranomaly
28, 45.707, 299.156

Tritanomaly
29, 34.655, 341.275

Monochromacy



Original Color
30, 63.595, 322.434

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 26.655, 320.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 63.595, 322.434 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(115, 30, 132)` looks like.

```
.text, #text, p{  
    color:rgb(115, 30, 132)  
}
```

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(115, 30, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 30, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 63.595, 322.434 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(115, 30, 132) }
```

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

```
.border{ border-color:rgb(115, 30, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 30, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 30, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 30, 132);  
box-shadow:4px 4px 4px 4px rgb(115, 30,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 63.595, 322.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 30, 132) }
```

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

```
.background{ background-color: rgb(115, 30,  
132) }
```

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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