

Converting Colors

CIELCh(30, 58.161, 330.571)

Have a look what the booklet for
CIELCh(30, 58.161, 330.571)
contains.

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Color

CIELCh(30, 58.220, 330.449)

Conversions

Conversions Part 1

Format	Color
Hex	7B1A74
RGB	123, 26, 116
RGB Percent	48%, 10%, 45%
CMY	0.5170, 0.8972, 0.5445
CMYK	0.00, 0.79, 0.06, 0.52
HSL	304°, 65%, 29%
HSV	304°, 79%, 48%
XYZ	11.7279, 6.2359, 17.1567
YIQ	65.2630, 28.9220, 48.5540

Conversions

Conversions Part 2

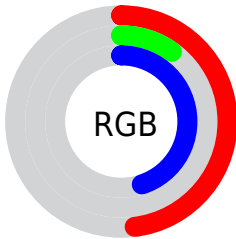
Format	Color
R_{YB}	123, 26, 116
Decimal	8067700
CIE _{Lab}	30.00, 50.65, -28.71
CIE _{LCh}	30, 58.220, 330.449
Yxy	6.2359, 0.3339, 0.1776
Android (android.graphics.Color)	4286257780 (0xFF7B1A74)
YUV	65.2630, 25.0133, 50.6353
Hunter-Lab	24.9718, 40.1312, -23.2546

Details

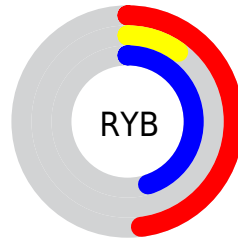
The CIELCh color $30, 58.220, 330.449$ is a dark color, and the websafe version is hex 660066 . A complement of this color would be $45, 60.291, 139.036$, and the grayscale version is $28, 0.004, 296.813$.

A 20% lighter version of the original color is $50, 57.950, 330.502$, and $14, 44.203, 329.820$ is the 20% darker color. If you saturate the color by 10%, you get $29, 61.493, 330.828$, and if you desaturate by 10%, it is $32, 53.416, 330.031$.

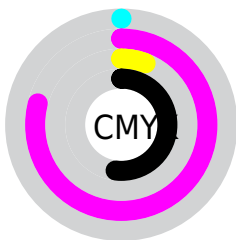
Distribution



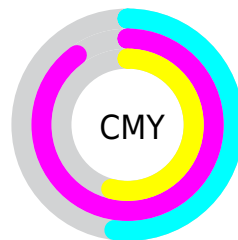
- Red (48%)
- Green (10%)
- Blue (45%)



- Red (48%)
- Yellow (10%)
- Blue (45%)



- Cyan (0%)
- Magenta (79%)
- Yellow (6%)
- Black (52%)



- Cyan (52%)
- Magenta (90%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 58.220, 330.449 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, 58.220, 330.449 by changing the saturation by 10% instead.

 30, 58.220,
330.449

 30, 58.220,
330.449

 100, 58.220,
330.449

 20, 58.220,
330.449

 50, 58.220,
330.449

 10, 58.220,
330.449

 60, 58.220,
330.449

 0, 58.220, 330.449

 70, 58.220,
330.449

 80, 58.220,
330.449

 90, 58.220,
330.449

■ 30, 58.220,
330.449

■ 30, 58.220,
330.449

■ 29, 61.493,
330.828

■ 32, 53.416,
330.031

■ 28, 63.573,
331.178

■ 34, 47.306,
329.571

■ 28, 63.837,
331.222

■ 36, 40.189,
329.075

■ 39, 32.380,
328.552

■ 42, 24.158,
328.009

■ 45, 15.743,
327.456

■ 49, 7.301, 326.895

■ 52, 1.057, 146.564

Harmonies

Complementary

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



30, 58.220, 330.449



45, 60.291, 139.036

Rectangle

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



30, 58.220, 330.449



30, 58.220, 20.449



30, 58.220, 150.449



30, 58.220, 200.449

Sweetspot

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



30, 58.218, 330.449



56, 25.105, 327.782



18, 64.187, 303.785



28, 17.376, 327.946



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



30, 58.218, 330.449



38, 76.330, 331.093



28, 44.103, 359.071



24, 4.693, 326.914



28, 64.495, 331.226



59, 108.248, 331.400

Inverse Universe

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



30, 58.218, 330.449



38, 76.330, 331.093



46, 40.718, 157.810



24, 4.693, 326.914



28, 64.495, 331.226



59, 108.248, 331.400

Previews

White Background



This preview shows how the CIELCh color 30, 58.220, 330.449 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 CIE LCh color 30, 58.220, 330.449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

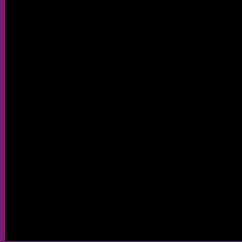
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 58.220, 330.449

Background



This preview shows how black text looks on a background with the CIELCh color 30, 58.220, 330.449.



This preview shows how white text looks on a background with the CIELCh color 30, 58.220, 330.449.

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, 58.220, 330.449

Protanopia

31, 49.889, 285.784

Deuteranopia

31, 24.625, 280.685



Tritanopia
30, 31.749, 22.703

Trichromacy



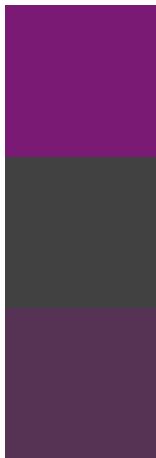
Original Color
30, 58.220, 330.449

Protanomaly
27, 52.912, 297.155

Deuteranomaly
28, 37.618, 309.083

Tritanomaly
30, 37.489, 354.078

Monochromacy



Original Color
30, 58.220, 330.449

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 25.569, 328.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 58.220, 330.449 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(123, 26, 116)` looks like.

```
.text, #text, p{  
    color:rgb(123, 26, 116)  
}
```

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(123, 26, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 26, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 58.220, 330.449 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(123, 26, 116) }
```

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

```
.border{ border-color:rgb(123, 26, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 26, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 26, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 26, 116);  
box-shadow:4px 4px 4px 4px rgb(123, 26,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 58.220, 330.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 26, 116) }
```

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

```
.background{ background-color: rgb(123, 26,  
116) }
```

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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