

Converting Colors

CIELCh(30, 46.137, 316.962)

Have a look what the booklet for
CIELCh(30, 46.137, 316.962)
contains.

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Color

CIELCh(30, 45.834, 316.938)

Conversions

Conversions Part 1

Format	Color
Hex	613378
RGB	97, 51, 120
RGB Percent	38%, 20%, 47%
CMY	0.6203, 0.8007, 0.5301
CMYK	0.19, 0.58, 0.00, 0.53
HSL	280°, 40%, 33%
HSV	280°, 58%, 47%
XYZ	9.4659, 6.2359, 18.4161
YIQ	72.6200, 5.2670, 31.2110

Conversions

Conversions Part 2

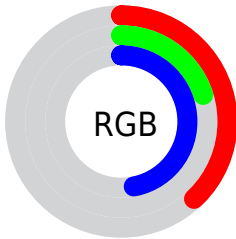
Format	Color
R_{YB}	97, 51, 120
Decimal	6370168
CIE _{Lab}	30.00, 33.49, -31.29
CIE _{LCh}	30, 45.834, 316.938
Yxy	6.2359, 0.2774, 0.1828
Android (android.graphics.Color)	4284560248 (0xFF613378)
YUV	72.6200, 23.3583, 21.3813
Hunter-Lab	24.9718, 23.9619, -26.2447

Details

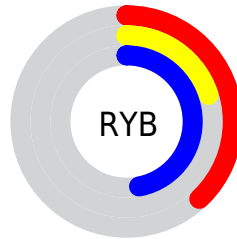
The CIELCh color **30, 45.834, 316.938** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **46, 43.792, 131.975**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 45.662, 316.598**, and **10, 45.995, 316.720** is the 20% darker color. If you saturate the color by 10%, you get **27, 53.016, 317.172**, and if you desaturate by 10%, it is **33, 38.085, 316.603**.

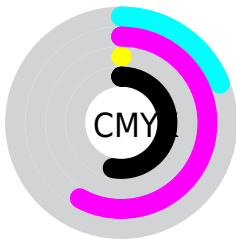
Distribution



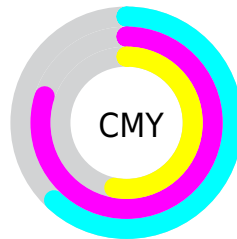
- Red (38%)
- Green (20%)
- Blue (47%)



- Red (38%)
- Yellow (20%)
- Blue (47%)



- Cyan (19%)
- Magenta (58%)
- Yellow (0%)
- Black (53%)





- Cyan (62%)
- Magenta (80%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 45.834, 316.938 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, 45.834, 316.938 by changing the saturation by 10% instead.


 30, 45.834,
316.938


 30, 45.834,
316.938

 100, 45.834,
316.938


 20, 45.834,
316.938


 50, 45.834,
316.938


 10, 45.834,
316.938

 60, 45.834,
316.938

 0, 45.834, 316.938

 70, 45.834,
316.938

 80, 45.834,
316.938

 90, 45.834,
316.938

■ 30, 45.834,
316.938

■ 30, 45.834,
316.938

■ 27, 53.016,
317.172

■ 33, 38.085,
316.603

■ 24, 59.271,
317.250

■ 37, 30.053,
316.210

■ 22, 64.198,
317.107

■ 40, 21.935,
315.791

■ 21, 67.861,
316.769

■ 44, 13.862,
315.367

■ 20, 68.776,
316.705

■ 48, 5.914, 314.945

■ 51, 1.862, 134.639

■ 55, 9.441, 134.225

■ 59, 16.811,
133.885

■ 63, 23.973,
133.577

Harmonies

Complementary

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



30, 45.834, 316.938



46, 43.792, 131.975

Rectangle

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



30, 45.834, 316.938



30, 45.834, 6.938



30, 45.834, 136.938



30, 45.834, 186.938

Sweetspot

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



30, 45.833, 316.938



56, 16.600, 315.360



32, 28.896, 280.378



28, 11.207, 315.426



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



30, 45.833, 316.938



35, 66.572, 317.216



33, 43.204, 332.260



23, 4.324, 315.007



21, 69.845, 316.684



46, 118.824, 316.143

Inverse Universe

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



31, 32.714, 1.289



37, 47.397, 4.521



45, 43.597, 143.851



23, 3.024, 354.429



25, 49.795, 15.854



53, 85.544, 19.199

Previews

White Background



This preview shows how the CIELCh color 30, 45.834, 316.938 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, 45.834, 316.938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

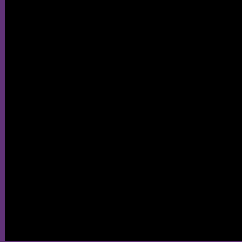
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 45.834, 316.938

Background



This preview shows how black text looks on a background with the CIELCh color 30, 45.834, 316.938.



This preview shows how white text looks on a background with the CIELCh color 30, 45.834, 316.938.

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, 45.834, 316.938

Protanopia

30, 44.180, 286.475

Deuteranopia

30, 29.351, 279.611



Tritanopia
30, 11.811, 6.014

Trichromacy



Original Color
30, 45.834, 316.938

Protanomaly
29, 44.134, 295.277

Deuteranomaly
29, 33.985, 295.609

Tritanomaly
30, 22.423, 330.924

Monochromacy



Original Color
30, 45.834, 316.938

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 17.534, 316.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 45.834, 316.938 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(97, 51, 120)` looks like.

```
.text, #text, p{  
    color:rgb(97, 51, 120)  
}
```

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(97, 51, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 51, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 45.834, 316.938 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(97, 51, 120) }
```

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

```
.border{ border-color:rgb(97, 51, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 51, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 51, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 51, 120);  
box-shadow:4px 4px 4px 4px rgb(97, 51,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 45.834, 316.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 51, 120) }
```

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

```
.background{ background-color: rgb(97, 51,  
120) }
```

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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