

Converting Colors

CIELCh(33, 44.948, 316.365)

Have a look what the booklet for
CIELCh(33, 44.948, 316.365)
contains.

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Color

CIELCh(33, 44.750, 316.216)

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | 673B7F |
| RGB | 103, 59, 127 |
| RGB Percent | 40%, 23%, 50% |
| CMY | 0.5962, 0.7688, 0.5021 |
| CMYK | 0.19, 0.54, 0.00, 0.50 |
| HSL | 279°, 37%, 36% |
| HSV | 279°, 54%, 50% |
| XYZ | 10.9800, 7.5373, 20.9421 |
| YIQ | 79.9080, 4.3960, 30.4760 |

Conversions

Conversions Part 2

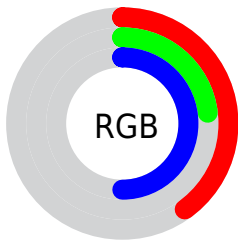
| Format | Color |
|-------------------------------------|--|
| RYB | 103, 59, 127 |
| Decimal | 6765439 |
| CIELab | 33.00, 32.31, -30.96 |
| CIELCh | 33, 44.750, 316.216 |
| Yxy | 7.5373, 0.2783, 0.1910 |
| Android (android.graphics.Color) | 4284955519 (0xFF673B7F) |
| YUV | 79.9080, 23.2164, 20.2517 |
| Hunter-Lab | 27.4541, 23.3446, -26.0087 |

Details

The CIELCh color $[33, 44.750, 316.216]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[49, 42.700, 131.555]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 44.666, 316.369]$, and $[13, 44.520, 316.183]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 52.582, 316.506]$, and if you desaturate by 10%, it is $[37, 36.466, 315.843]$.

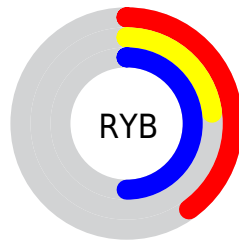
Distribution



Red (40%)

Green (23%)

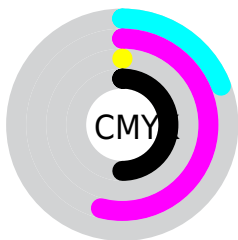
Blue (50%)



Red (40%)

Yellow (23%)

Blue (50%)

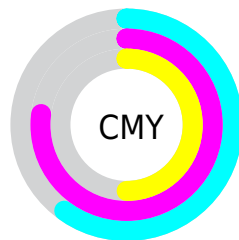


Cyan (19%)

Magenta (54%)

Yellow (0%)

Black (50%)



Cyan (60%)


Magenta (77%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 44.750, 316.216 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 33, 44.750, 316.216 by changing the saturation by 10% instead.


 33, 44.750,
316.216


 33, 44.750,
316.216

 100, 44.750,
316.216


 23, 44.750,
316.216

 53, 44.750,
316.216


 13, 44.750,
316.216


 63, 44.750,
316.216

 3, 44.750, 316.216

 73, 44.750,
316.216

 0, 44.750, 316.216

 83, 44.750,
316.216

 93, 44.750,
316.216

■ 33, 44.750,
316.216

■ 33, 44.750,
316.216

■ 30, 52.582,
316.506

■ 37, 36.466,
315.843

■ 27, 59.610,
316.660

■ 40, 27.994,
315.427

■ 24, 65.406,
316.610

■ 44, 19.506,
314.996

■ 22, 69.585,
316.293

■ 48, 11.115,
314.569

■ 21, 71.989,
316.074

■ 52, 2.885, 314.133

■ 56, 5.146, 133.816

■ 60, 12.961,
133.451

■ 64, 20.555,
133.127

■ 68, 27.930,
132.834

Harmonies

Complementary

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



33, 44.750, 316.216



49, 42.700, 131.555

Rectangle

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



33, 44.750, 316.216



33, 44.750, 6.216



33, 44.750, 136.216



33, 44.750, 186.216

Sweetspot

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



33, 44.749, 316.216



60, 16.364, 314.689



36, 27.461, 278.078



30, 11.154, 314.762



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



33, 44.749, 316.216



39, 65.642, 316.549



36, 43.021, 331.424



25, 4.615, 314.380



21, 72.210, 316.069



0, 0.000, 0.000

Inverse Universe

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



35, 32.188, 359.122



41, 46.997, 1.747



48, 43.301, 143.801



25, 3.279, 353.149



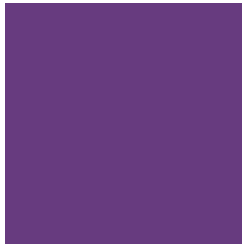
26, 51.036, 14.297



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 33, 44.750, 316.216 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 33, 44.750, 316.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

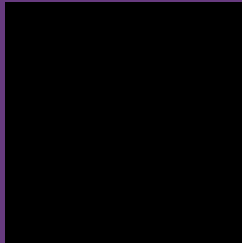
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 44.750, 316.216

Background



This preview shows how black text looks on a background with the CIELCh color 33, 44.750, 316.216.



This preview shows how white text looks on a background with the CIELCh color 33, 44.750, 316.216.

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

33, 44.750, 316.216

Protanopia

33, 42.290, 286.066

Deuteranopia

33, 28.878, 279.686



Tritanopia
33, 10.712, 4.269

Trichromacy



Original Color
33, 44.750, 316.216

Protanomaly
33, 42.171, 295.058

Deuteranomaly
32, 33.472, 295.722

Tritanomaly
33, 21.669, 328.884

Monochromacy



Original Color
33, 44.750, 316.216

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 17.101, 314.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 44.750, 316.216 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(103, 59, 127)` looks like.

```
.text, #text, p{  
    color:rgb(103, 59, 127)  
}
```

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(103, 59, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 59, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 44.750, 316.216 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(103, 59, 127) }
```

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

```
.border{ border-color:rgb(103, 59, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 59, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 59, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 59, 127);  
box-shadow:4px 4px 4px 4px rgb(103, 59,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 44.750, 316.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 59, 127) }
```

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

```
.background{ background-color: rgb(103, 59,  
127) }
```

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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