

Converting Colors

CIELCh(33, 54.533, 316.054)

Have a look what the booklet for
CIELCh(33, 54.533, 316.054)
contains.

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Color

CIELCh(33, 54.639, 316.112)

Conversions

Conversions Part 1

Format	Color
Hex	6B358A
RGB	107, 53, 138
RGB Percent	42%, 21%, 54%
CMY	0.5797, 0.7915, 0.4581
CMYK	0.22, 0.62, 0.00, 0.46
HSL	278°, 44%, 38%
HSV	278°, 62%, 54%
XYZ	11.9645, 7.5373, 24.9346
YIQ	78.8360, 4.8990, 37.8830

Conversions

Conversions Part 2

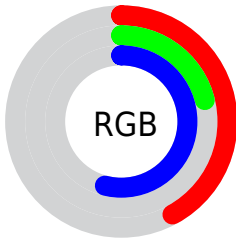
Format	Color
R_{YB}	107, 53, 138
Decimal	7026058
CIE Lab	33.00, 39.38, -37.88
CIE LCh	33, 54.639, 316.112
Yxy	7.5373, 0.2692, 0.1696
Android (android.graphics.Color)	4285216138 (0xFF6B358A)
YUV	78.8360, 29.1679, 24.6998
Hunter-Lab	27.4541, 29.7455, -34.6310

Details

The CIELCh color **33, 54.639, 316.112** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **52, 51.668, 130.862**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 54.432, 316.160**, and **13, 54.564, 316.303** is the 20% darker color. If you saturate the color by 10%, you get **30, 62.368, 316.299**, and if you desaturate by 10%, it is **37, 46.120, 315.795**.

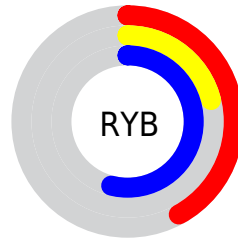
Distribution



Red (42%)

Green (21%)

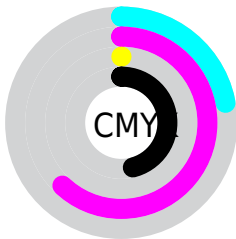
Blue (54%)



Red (42%)

Yellow (21%)

Blue (54%)

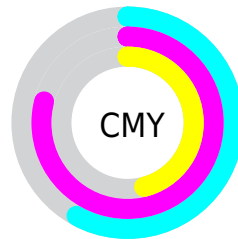


Cyan (22%)

Magenta (62%)

Yellow (0%)

Black (46%)



Cyan (58%)


Magenta (79%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 54.639, 316.112 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, 54.639, 316.112 by changing the saturation by 10% instead.


 33, 54.639,
316.112


 33, 54.639,
316.112

 100, 54.639,
316.112


 23, 54.639,
316.112

 53, 54.639,
316.112


 13, 54.639,
316.112


 63, 54.639,
316.112

 3, 54.639, 316.112

 73, 54.639,
316.112

 0, 54.639, 316.112

 83, 54.639,
316.112

 93, 54.639,
316.112

■ 33, 54.639,
316.112

■ 33, 54.639,
316.112

■ 30, 62.368,
316.299

■ 37, 46.120,
315.795

■ 27, 68.850,
316.289

■ 40, 37.185,
315.403

■ 25, 73.617,
316.007

■ 44, 28.095,
314.974

■ 23, 76.749,
315.652

■ 49, 19.024,
314.537

■ 53, 10.079,
314.105

■ 57, 1.323, 313.620

■ 61, 7.211, 133.352

■ 65, 15.509,
132.996

■ 70, 23.567,
132.678

Harmonies

Complementary

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



33, 54.639, 316.112



52, 51.668, 130.862

Rectangle

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



33, 54.639, 316.112



33, 54.639, 6.112



33, 54.639, 136.112



33, 54.639, 186.112

Sweetspot

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



33, 54.638, 316.112



63, 19.547, 314.400



36, 34.005, 280.436



31, 13.564, 314.511



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



33, 54.638, 316.112



38, 78.653, 316.323



37, 51.703, 331.919



27, 4.908, 314.003



22, 74.472, 315.693



0, 2.255, 313.649

Inverse Universe

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



35, 39.326, 0.040



42, 55.990, 3.818



51, 52.455, 142.752



27, 3.521, 352.398



27, 52.384, 13.430



0, 1.610, 351.635

Previews

White Background



This preview shows how the CIELCh color 33, 54.639, 316.112 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 33, 54.639, 316.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

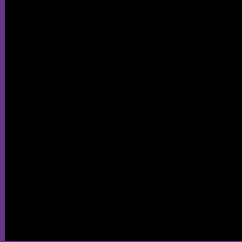
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 54.639, 316.112

Background



This preview shows how black text looks on a background with the CIELCh color 33, 54.639, 316.112.

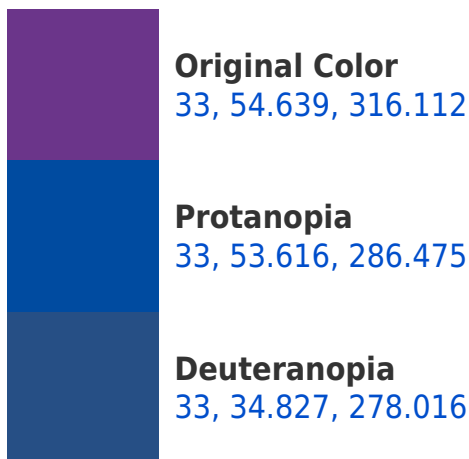



This preview shows how white text looks on a background with the CIELCh color 33, 54.639, 316.112.

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





Tritanopia
33, 12.054, 6.474

Trichromacy



Original Color
33, 54.639, 316.112

Protanomaly
31, 53.716, 292.424

Deuteranomaly
32, 40.979, 294.061

Tritanomaly
33, 25.688, 327.836

Monochromacy



Original Color
33, 54.639, 316.112

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 21.027, 314.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 54.639, 316.112 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(107, 53, 138)` looks like.

```
.text, #text, p{  
    color:rgb(107, 53, 138)  
}
```

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(107, 53, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 53, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 54.639, 316.112 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(107, 53, 138) }
```

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

```
.border{ border-color:rgb(107, 53, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 53, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 53, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 53, 138);  
box-shadow:4px 4px 4px 4px rgb(107, 53,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 54.639, 316.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 53, 138) }
```

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

```
.background{ background-color: rgb(107, 53,  
138) }
```

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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