

Converting Colors

CIELCh(33, 86.696, 312.552)

Have a look what the booklet for
CIELCh(33, 86.696, 312.552)
contains.

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Color

CIELCh(33, 86.578, 312.566)

Conversions

Conversions Part 1

Format	Color
Hex	6B21B5
RGB	107, 33, 181
RGB Percent	42%, 13%, 71%
CMY	0.5807, 0.8709, 0.2905
CMYK	0.41, 0.82, 0.00, 0.29
HSL	270°, 69%, 42%
HSV	270°, 82%, 71%
XYZ	14.9285, 7.5373, 44.3436
YIQ	71.9980, -3.4040, 61.7160

Conversions

Conversions Part 2

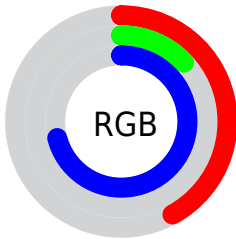
Format	Color
R_{YB}	107, 33, 181
Decimal	7020981
CIE _{Lab}	33.00, 58.56, -63.76
CIE _{LCh}	33, 86.578, 312.566
Yxy	7.5373, 0.2234, 0.1128
Android (android.graphics.Color)	4285211061 (0xFF6B21B5)
YUV	71.9980, 53.7380, 30.6968
Hunter-Lab	27.4541, 49.0171, -76.5468

Details

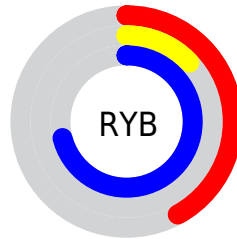
The CIELCh color **33, 86.578, 312.566** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **67, 76.706, 126.540**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 86.482, 312.609**, and **16, 76.174, 309.685** is the 20% darker color. If you saturate the color by 10%, you get **30, 92.840, 312.323**, and if you desaturate by 10%, it is **37, 78.040, 312.467**.

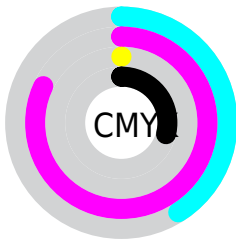
Distribution



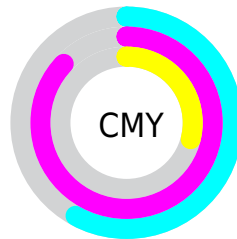
- Red (42%)
- Green (13%)
- Blue (71%)



- Red (42%)
- Yellow (13%)
- Blue (71%)



- Cyan (41%)
- Magenta (82%)
- Yellow (0%)
- Black (29%)





- Cyan (58%)
- Magenta (87%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 86.578, 312.566 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, 86.578, 312.566 by changing the saturation by 10% instead.


 33, 86.578,
312.566


 33, 86.578,
312.566

 100, 86.578,
312.566


 23, 86.578,
312.566

 53, 86.578,
312.566


 13, 86.578,
312.566


 63, 86.578,
312.566

 3, 86.578, 312.566

 73, 86.578,
312.566

 0, 86.578, 312.566

 83, 86.578,
312.566

 93, 86.578,
312.566

■ 33, 86.578,
312.566

■ 33, 86.578,
312.566

■ 30, 92.840,
312.323

■ 37, 78.040,
312.467

■ 28, 96.425,
311.915

■ 41, 67.984,
312.137

■ 46, 57.087,
311.673

■ 51, 45.838,
311.148

■ 56, 34.547,
310.609

■ 62, 23.401,
310.084

■ 67, 12.499,
309.589

■ 73, 1.891, 309.089

Harmonies

Complementary

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



33, 86.578, 312.566



67, 76.706, 126.540

Rectangle

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



33, 86.578, 312.566



33, 86.578, 2.566



33, 86.578, 132.566



33, 86.578, 182.566

Sweetspot

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



33, 86.578, 312.567



76, 33.288, 310.271



44, 45.720, 276.000



38, 22.787, 310.452



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



33, 86.578, 312.567



38, 116.494, 311.852



45, 84.052, 328.029



35, 5.909, 309.470



23, 85.089, 312.064



1, 13.840, 305.234

Inverse Universe

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



41, 61.916, 355.540



51, 79.257, 1.894



65, 86.292, 137.028



35, 4.756, 344.374



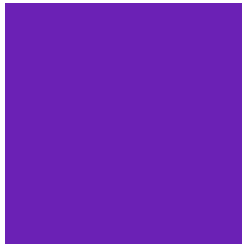
32, 57.950, 1.319



2, 10.605, 349.865

Previews

White Background



This preview shows how the CIELCh color 33, 86.578, 312.566 looks on a white background.

Color Contrast Check

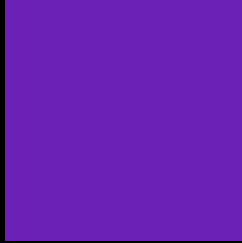
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.578, 312.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

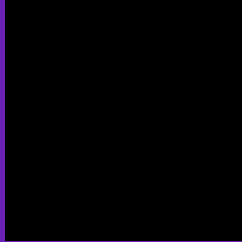
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 86.578, 312.566

Background



This preview shows how black text looks on a background with the CIELCh color 33, 86.578, 312.566.

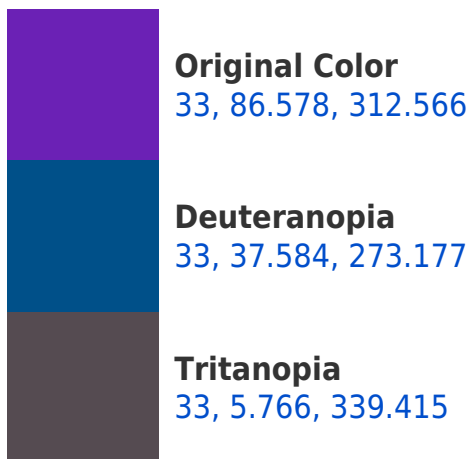


This preview shows how white text looks on a background with the CIELCh color 33, 86.578, 312.566.

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



Trichromacy



Original Color
33, 86.578, 312.566

Deuteranomaly
30, 57.028, 294.433

Tritanomaly
31, 37.827, 313.890

Monochromacy



Original Color
33, 86.578, 312.566

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 35.810, 311.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 86.578, 312.566 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, 33, 181)` looks like.

```
.text, #text, p{  
    color:rgb(107, 33, 181)  
}
```

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, 33, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 33, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 86.578, 312.566 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, 33, 181) }
```

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

```
.border{ border-color:rgb(107, 33, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 33, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 33, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 33, 181);  
box-shadow:4px 4px 4px 4px rgb(107, 33,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 86.578, 312.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 33, 181) }
```

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

```
.background{ background-color: rgb(107, 33,  
181) }
```

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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