

Converting Colors

CIELCh(24, 105.824, 328.215)

Have a look what the booklet for
CIELCh(24, 105.824, 328.215)
contains.

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Color

CIELCh(33, 75.693, 326.362)

Conversions

Conversions Part 1

Format	Color
Hex	8A0391
RGB	138, 3, 145
RGB Percent	54%, 1%, 57%
CMY	0.4578, 0.9888, 0.4306
CMYK	0.05, 0.98, 0.00, 0.43
HSL	297°, 96%, 29%
HSV	297°, 98%, 57%
XYZ	15.6802, 7.5373, 27.4941
YIQ	59.5530, 34.8780, 72.7820

Conversions

Conversions Part 2

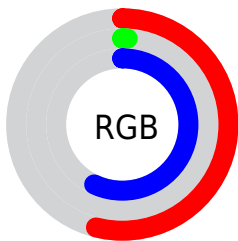
Format	Color
R_{YB}	138, 3, 145
Decimal	9044881
CIE _{Lab}	33.00, 63.02, -41.93
CIE _{LCh}	33, 75.693, 326.362
Yxy	7.5373, 0.3092, 0.1486
Android (android.graphics.Color)	4287234961 (0xFF8A0391)
YUV	59.5530, 42.1254, 68.7980
Hunter-Lab	27.4541, 53.9042, -40.1585

Details

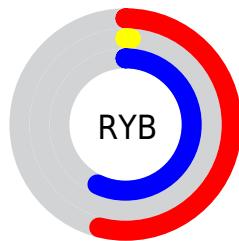
The CIELCh color **33, 75.693, 326.362** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **52, 77.915, 135.855**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 75.549, 326.220**, and **19, 56.123, 323.996** is the 20% darker color. If you saturate the color by 10%, you get **33, 76.150, 326.357**, and if you desaturate by 10%, it is **34, 73.180, 326.382**.

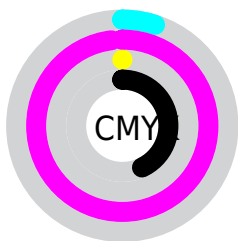
Distribution



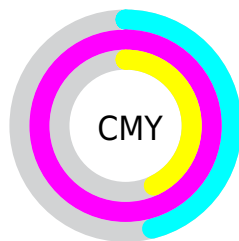
- Red (54%)
- Green (1%)
- Blue (57%)



- Red (54%)
- Yellow (1%)
- Blue (57%)



- Cyan (5%)
- Magenta (98%)
- Yellow (0%)
- Black (43%)





- Cyan (46%)
- Magenta (99%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 75.693, 326.362 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, 75.693, 326.362 by changing the saturation by 10% instead.


 33, 75.693,
326.362


 33, 75.693,
326.362

 100, 75.693,
326.362


 23, 75.693,
326.362

 53, 75.693,
326.362


 13, 75.693,
326.362


 63, 75.693,
326.362

 3, 75.693, 326.362

 73, 75.693,
326.362

 0, 75.693, 326.362

 83, 75.693,
326.362

 93, 75.693,
326.362

■ 33, 75.693,
326.362

■ 33, 75.693,
326.362

■ 33, 76.150,
326.357

■ 34, 73.180,
326.382

■ 35, 69.046,
326.299

■ 37, 63.127,
326.104

■ 40, 55.694,
325.809

■ 43, 47.114,
325.433

■ 46, 37.760,
324.999

■ 49, 27.957,
324.525

■ 53, 17.961,

324.027

■ 57, 7.957, 323.511

Harmonies

Complementary

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



33, 75.693, 326.362



52, 77.915, 135.855

Rectangle

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



33, 75.693, 326.362



33, 75.693, 16.362



33, 75.693, 146.362



33, 75.693, 196.362

Sweetspot

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



33, 75.691, 326.362



63, 35.811, 324.601



17, 84.445, 305.275



31, 24.461, 324.784



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



33, 75.691, 326.362



43, 92.391, 326.318



31, 56.249, 355.969



28, 5.524, 323.571



30, 72.281, 326.369



1, 3.709, 323.131

Inverse Universe

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



30, 65.404, 36.827



39, 81.321, 38.121



53, 60.139, 147.623



28, 3.249, 15.939



27, 62.594, 36.846



0, 2.128, 15.355

Previews

White Background



This preview shows how the CIELCh color 33, 75.693, 326.362 looks on a white background.

Color Contrast Check

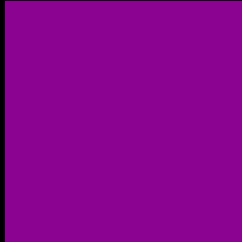
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.693, 326.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

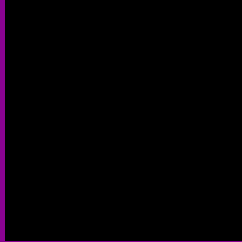
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 75.693, 326.362

Background



This preview shows how black text looks on a background with the CIELCh color 33, 75.693, 326.362.

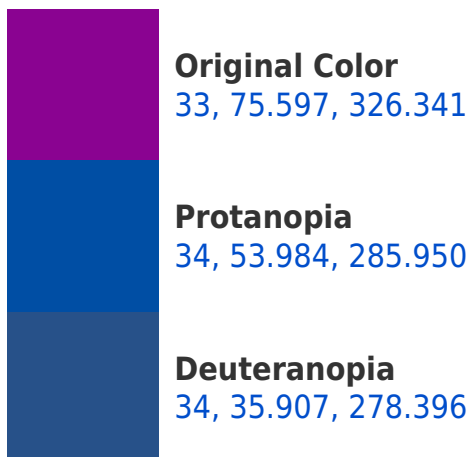


This preview shows how white text looks on a background with the CIELCh color 33, 75.693, 326.362.

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
34, 33.928, 21.959

Trichromacy



Original Color
33, 75.597, 326.341



Protanomaly
28, 67.186, 300.819



Deuteranomaly
29, 55.463, 305.340



Tritanomaly
32, 46.654, 347.298

Monochromacy



Original Color
33, 75.597, 326.341



Achromatopsia
25, 0.004, 296.813



Achromatomaly
25, 37.656, 325.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 75.693, 326.362 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(138, 3, 145)` looks like.

```
.text, #text, p{  
    color:rgb(138, 3, 145)  
}
```

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(138, 3, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 3, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 75.693, 326.362 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(138, 3, 145) }
```

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

```
.border{ border-color:rgb(138, 3, 145) }
```

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

Here you see how a box with a 4 pixel rgb(138, 3, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 3, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 3, 145);  
box-shadow:4px 4px 4px 4px rgb(138, 3,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 75.693, 326.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 3, 145) }
```

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

```
.background{ background-color: rgb(138, 3,  
145) }
```

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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