

Converting Colors

CIELCh(77, 33.648, 320.075)

Have a look what the booklet for
CIELCh(77, 33.648, 320.075)
contains.

CIELCh(77, 33.497, 320.428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 33.497, 320.428)

Conversions

Conversions Part 1

Format	Color
Hex	DCAFE6
RGB	220, 175, 230
RGB Percent	86%, 69%, 90%
CMY	0.1376, 0.3141, 0.0984
CMYK	0.04, 0.24, 0.00, 0.10
HSL	289°, 52%, 79%
HSV	289°, 24%, 90%
XYZ	59.0667, 51.5317, 81.6244
YIQ	194.7250, 9.1650, 26.6450

Conversions

Conversions Part 2

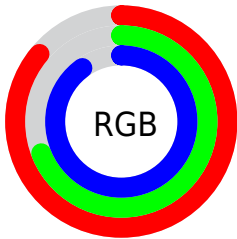
Format	Color
R_{YB}	220, 175, 230
Decimal	14462950
CIE _{Lab}	77.00, 25.82, -21.34
CIE _{LCh}	77, 33.497, 320.428
Yxy	51.5317, 0.3073, 0.2681
Android (android.graphics.Color)	4292653030 (0xFFDCAFE6)
YUV	194.7250, 17.3906, 22.1662
Hunter-Lab	71.7856, 21.2486, -17.1663

Details

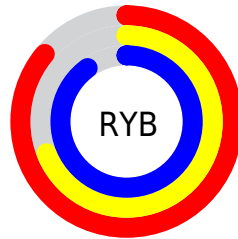
The CIELCh color $77, 33.497, 320.428$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $87, 33.160, 138.107$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.992, 324.942$, and $57, 33.334, 320.351$ is the 20% darker color. If you saturate the color by 10%, you get $71, 47.574, 320.872$, and if you desaturate by 10%, it is $83, 19.376, 319.968$.

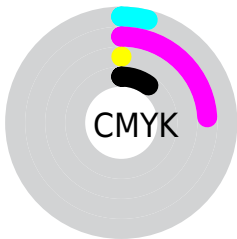
Distribution



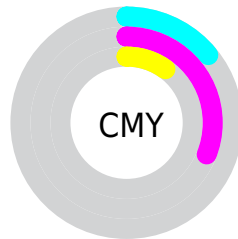
- Red (86%)
- Green (69%)
- Blue (90%)



- Red (86%)
- Yellow (69%)
- Blue (90%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)
- Black (10%)



- Cyan (14%)
- Magenta (31%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 33.497, 320.428 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 77, 33.497, 320.428 by changing the saturation by 10% instead.

 77, 33.497,
320.428

 77, 33.497,
320.428


 100, 33.497,
320.428


 67, 33.497,
320.428


 97, 33.497,
320.428

 57, 33.497,
320.428

 47, 33.497,
320.428

 37, 33.497,
320.428

 27, 33.497,
320.428

 17, 33.497,
320.428

 7, 33.497, 320.428

■ 0, 33.497, 320.428

■ 77, 33.497,
320.428

■ 77, 33.497,
320.428

■ 71, 47.574,
320.872

■ 83, 19.376,
319.968

■ 66, 61.319,
321.278

■ 89, 5.413, 319.484

■ 61, 74.305,
321.619

■ 95, 8.276, 139.117

■ 57, 85.982,
321.856

■ 98, 14.398,
136.322

■ 53, 95.708,
321.948

■ 98, 13.757,
130.914

■ 50, 102.883,
321.851

■ 99, 13.252,
124.984

■ 99, 12.901,

■ 48, 107.161,
321.535

118.607

■ 48, 108.653,
321.256

■ 99, 12.722,
111.913

■ 99, 12.701,
109.218

Harmonies

Complementary

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



77, 33.497, 320.428



87, 33.160, 138.107

Rectangle

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



77, 33.497, 320.428



77, 33.497, 10.428



77, 33.497, 140.428



77, 33.497, 190.428

Sweetspot

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



77, 33.495, 320.428



95, 10.539, 319.643



76, 24.345, 284.583



50, 6.851, 319.672



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 33.495, 320.428



81, 44.234, 320.664



77, 28.276, 336.700



45, 7.866, 319.759



37, 89.875, 321.363



7, 37.144, 322.181

Inverse Universe

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



77, 21.681, 7.145



81, 28.949, 7.865



87, 27.981, 153.087



45, 4.948, 5.457



37, 71.869, 30.640



7, 26.685, 14.180

Previews

White Background



This preview shows how the CIELCh color 77, 33.497, 320.428 looks on a white background.

Color Contrast Check

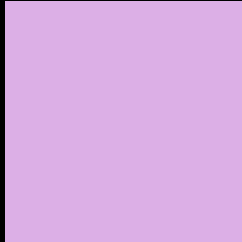
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 77, 33.497, 320.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

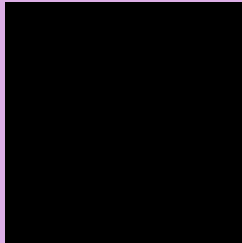
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 33.497, 320.428

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.497, 320.428.



This preview shows how white text looks on a background with the CIELCh color 77, 33.497, 320.428.

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
77, 33.497, 320.428

Protanopia
77, 27.498, 285.902

Deuteranopia
77, 22.661, 295.648



Tritanopia
77, 14.739, 350.145

Trichromacy



Original Color
77, 33.497, 320.428

Protanomaly
77, 28.801, 299.374

Deuteranomaly
77, 26.222, 306.757

Tritanomaly
77, 20.843, 332.980

Monochromacy



Original Color
77, 33.497, 320.428

Achromatopsia
79, 0.010, 296.813

Achromatomaly
78, 12.234, 319.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.497, 320.428 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(220, 175, 230)` looks like.

```
.text, #text, p{  
    color:rgb(220, 175, 230)  
}
```

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(220, 175, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 175, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.497, 320.428 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(220, 175, 230) }
```

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

```
.border{ border-color:rgb(220, 175, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 175, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 175, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 175, 230);  
box-shadow:4px 4px 4px 4px rgb(220, 175,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.497, 320.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 175, 230) }
```

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

```
.background{ background-color: rgb(220,  
175, 230) }
```

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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