

Converting Colors

CIELCh(17, 38.477, 320.565)

Have a look what the booklet for
CIELCh(17, 38.477, 320.565)
contains.

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Color

CIELCh(17, 38.492, 320.577)

Conversions

Conversions Part 1

Format	Color
Hex	41174D
RGB	65, 23, 77
RGB Percent	25%, 9%, 30%
CMY	0.7437, 0.9085, 0.6967
CMYK	0.16, 0.70, 0.00, 0.70
HSL	287°, 54%, 20%
HSV	287°, 70%, 30%
XYZ	3.8675, 2.3023, 7.3247
YIQ	41.7140, 7.6980, 25.6980

Conversions

Conversions Part 2

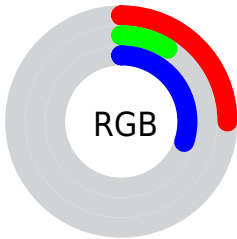
Format	Color
R_{YB}	65, 23, 77
Decimal	4265805
CIE _{Lab}	17.00, 29.73, -24.44
CIE _{LCh}	17, 38.492, 320.577
Yxy	2.3023, 0.2866, 0.1706
Android (android.graphics.Color)	4282455885 (0xFF41174D)
YUV	41.7140, 17.3960, 20.4218
Hunter-Lab	15.1734, 18.9436, -17.9999

Details

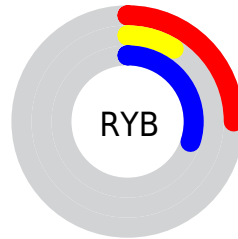
The CIELCh color **17, 38.492, 320.577** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 37.585, 134.539**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 38.624, 320.907**, and **2, 19.474, 307.410** is the 20% darker color. If you saturate the color by 10%, you get **15, 42.722, 320.671**, and if you desaturate by 10%, it is **19, 33.602, 320.363**.

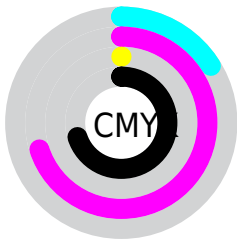
Distribution



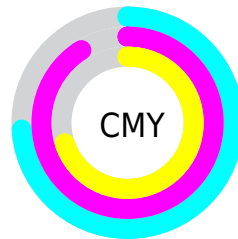
- Red (25%)
- Green (9%)
- Blue (30%)



- Red (25%)
- Yellow (9%)
- Blue (30%)



- Cyan (16%)
- Magenta (70%)
- Yellow (0%)
- Black (70%)



- Cyan (74%)
- Magenta (91%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 38.492, 320.577 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 17, 38.492, 320.577 by changing the saturation by 10% instead.

■ 17, 38.492,
320.577

■ 17, 38.492,
320.577

■ 100, 38.492,
320.577

■ 7, 38.492, 320.577

■ 37, 38.492,
320.577

■ 0, 38.492, 320.577

■ 47, 38.492,
320.577

■ 57, 38.492,
320.577


■ 67, 38.492,
320.577


■ 77, 38.492,
320.577


■ 87, 38.492,


320.577


 97, 38.492,
320.577


 17, 38.492,
320.577

 17, 38.492,
320.577


 15, 42.722,
320.671


 19, 33.602,
320.363


 14, 46.129,
320.619


 21, 28.268,
320.064

 13, 49.592,
320.624

 23, 22.672,
319.709

 13, 49.655,
320.625

 26, 16.954,
319.323

 28, 11.212,
318.921

■ 30, 5.516, 318.512

■ 33, 0.090, 139.277

■ 35, 5.579, 137.787

■ 38, 10.937,
137.424

Harmonies

Complementary

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



17, 38.492, 320.577



29, 37.585, 134.539

Rectangle

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



17, 38.492, 320.577



17, 38.492, 10.577



17, 38.492, 140.577



17, 38.492, 190.577

Sweetspot

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



17, 38.491, 320.577



36, 14.639, 318.998



15, 29.079, 290.357



17, 9.998, 319.056



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



17, 38.491, 320.577



20, 53.777, 320.643



18, 32.862, 337.869



14, 3.100, 318.463



19, 60.185, 320.353



46, 109.167, 319.831

Inverse Universe

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



17, 27.141, 11.898



21, 39.078, 17.492



29, 33.228, 146.486



14, 1.995, 2.230



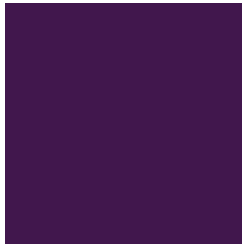
20, 45.588, 24.267



48, 85.192, 28.597

Previews

White Background



This preview shows how the CIE LCh color 17, 38.492, 320.577 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 17, 38.492, 320.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

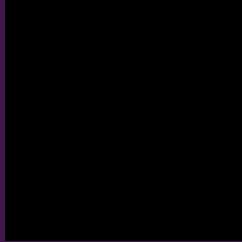
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 38.492, 320.577

Background



This preview shows how black text looks on a background with the CIELCh color 17, 38.492, 320.577.



This preview shows how white text looks on a background with the CIELCh color 17, 38.492, 320.577.

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

17, 38.492, 320.577

Protanopia

17, 32.267, 282.566

Deuteranopia

18, 21.495, 275.576



Tritanopia
17, 12.242, 12.996

Trichromacy



Original Color
17, 38.492, 320.577

Protanomaly
16, 34.203, 293.593

Deuteranomaly
16, 27.220, 296.819

Tritanomaly
17, 20.283, 337.156

Monochromacy



Original Color
17, 38.492, 320.577

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 15.469, 318.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 38.492, 320.577 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(65, 23, 77)` looks like.

```
.text, #text, p{  
    color:rgb(65, 23, 77)  
}
```

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(65, 23, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 23, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 38.492, 320.577 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(65, 23, 77) }
```

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

```
.border{ border-color:rgb(65, 23, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 23, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 23, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 23, 77);  
box-shadow:4px 4px 4px 4px rgb(65, 23, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 38.492, 320.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 23, 77) }
```

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

```
.background{ background-color: rgb(65, 23,  
77) }
```

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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