

Converting Colors

CIELCh(17, 35.075, 320.465)

Have a look what the booklet for
CIELCh(17, 35.075, 320.465)
contains.

CIELCh(17, 34.837, 320.254)	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(17, 34.837, 320.254)

Conversions

Conversions Part 1

Format	Color
Hex	3F1A4A
RGB	63, 26, 74
RGB Percent	25%, 10%, 29%
CMY	0.7524, 0.8975, 0.7093
CMYK	0.15, 0.65, 0.00, 0.71
HSL	286°, 48%, 20%
HSV	286°, 65%, 29%
XYZ	3.6720, 2.3023, 6.7541
YIQ	42.5350, 6.6440, 22.7720

Conversions

Conversions Part 2

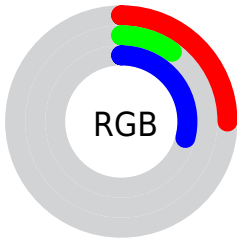
Format	Color
R_{YB}	63, 26, 74
Decimal	4135498
CIE Lab	17.00, 26.79, -22.27
CIE LCh	17, 34.837, 320.254
Yxy	2.3023, 0.2885, 0.1809
Android (android.graphics.Color)	4282325578 (0xFF3F1A4A)
YUV	42.5350, 15.5122, 17.9478
Hunter-Lab	15.1734, 16.6433, -15.7700




Details

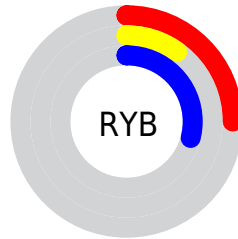
The CIELCh color **17, 34.837, 320.254** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 33.967, 134.648**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 34.632, 320.060**, and **2, 17.576, 304.938** is the 20% darker color. If you saturate the color by 10%, you get **15, 39.313, 320.417**, and if you desaturate by 10%, it is **19, 29.849, 319.992**.

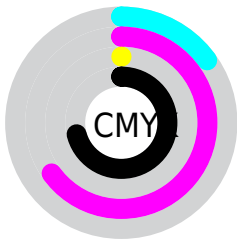
Distribution







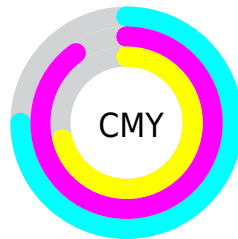
-  Red (25%)
-  Green (10%)
-  Blue (29%)






-  Red (25%)
-  Yellow (10%)
-  Blue (29%)



-  Cyan (15%)
-  Magenta (65%)
-  Yellow (0%)
-  Black (71%)





-  Cyan (75%)
-  Magenta (90%)
-  Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 34.837, 320.254 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, 34.837, 320.254 by changing the saturation by 10% instead.

 17, 34.837,
320.254

 17, 34.837,
320.254


 100, 34.837,
320.254


 7, 34.837, 320.254

 37, 34.837,
320.254

 0, 34.837, 320.254

 47, 34.837,
320.254


 57, 34.837,
320.254


 67, 34.837,
320.254


 77, 34.837,
320.254


 87, 34.837,


320.254


 97, 34.837,
320.254


 17, 34.837,
320.254


 17, 34.837,
320.254


 15, 39.313,
320.417

 19, 29.849,
319.992


 14, 43.067,
320.443

 21, 24.542,
319.661

 12, 46.382,
320.410

 23, 19.064,
319.290

 12, 48.295,
320.450

 26, 13.527,
318.897

 28, 8.008, 318.495

■ 30, 2.559, 318.078

■ 33, 2.788, 137.775

■ 35, 8.014, 137.393

■ 38, 13.109,
137.050

Harmonies

Complementary

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



17, 34.837, 320.254



28, 33.967, 134.648

Rectangle

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



17, 34.837, 320.254



17, 34.837, 10.254



17, 34.837, 140.254



17, 34.837, 190.254

Sweetspot

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



17, 34.836, 320.254



35, 12.923, 318.696



16, 25.825, 288.975



16, 8.782, 318.755



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



17, 34.836, 320.254



20, 50.190, 320.452



18, 29.959, 337.394



14, 3.094, 318.249



18, 60.245, 320.123



46, 109.290, 319.588

Inverse Universe

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



17, 24.371, 9.949



21, 35.974, 14.584



28, 30.077, 147.225



14, 2.001, 1.709



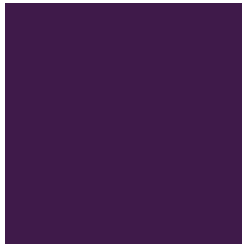
20, 45.421, 23.695



48, 84.806, 28.043

Previews

White Background



This preview shows how the CIELCh color 17, 34.837, 320.254 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 17, 34.837, 320.254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

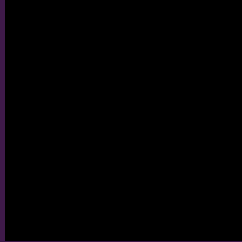
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 34.837, 320.254

Background



This preview shows how black text looks on a background with the CIELCh color 17, 34.837, 320.254.



This preview shows how white text looks on a background with the CIELCh color 17, 34.837, 320.254.

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, 34.837, 320.254

Protanopia

17, 32.961, 283.638

Deuteranopia

17, 19.983, 277.117



Tritanopia
17, 10.666, 14.758

Trichromacy



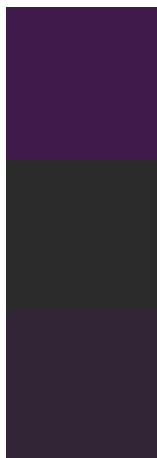
Original Color
17, 34.837, 320.254

Protanomaly
16, 32.814, 292.097

Deuteranomaly
17, 24.422, 296.969

Tritanomaly
17, 17.784, 337.027

Monochromacy



Original Color
17, 34.837, 320.254

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 13.210, 318.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 34.837, 320.254 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(63, 26, 74)` looks like.

```
.text, #text, p{  
    color:rgb(63, 26, 74)  
}
```

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(63, 26, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 26, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 34.837, 320.254 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(63, 26, 74) }
```

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

```
.border{ border-color:rgb(63, 26, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 26, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 26, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 26, 74);  
box-shadow:4px 4px 4px 4px rgb(63, 26, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 34.837, 320.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 26, 74) }
```

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

```
.background{ background-color: rgb(63, 26,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor