

Converting Colors

CIELCh(17, 45.520, 320.842)

Have a look what the booklet for
CIELCh(17, 45.520, 320.842)
contains.

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Color

CIELCh(17, 45.563, 320.616)

Conversions

Conversions Part 1

Format	Color
Hex	451154
RGB	69, 17, 84
RGB Percent	27%, 7%, 33%
CMY	0.7296, 0.9335, 0.6708
CMYK	0.18, 0.80, 0.00, 0.67
HSL	287°, 66%, 20%
HSV	287°, 80%, 33%
XYZ	4.2492, 2.3023, 8.5988
YIQ	40.1860, 9.4850, 31.8610

Conversions

Conversions Part 2

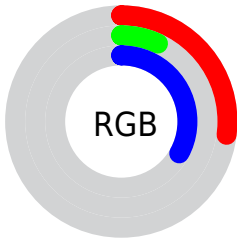
Format	Color
R_{YB}	69, 17, 84
Decimal	4526420
CIE _{Lab}	17.00, 35.22, -28.91
CIE _{LCh}	17, 45.563, 320.616
Yxy	2.3023, 0.2805, 0.1520
Android (android.graphics.Color)	4282716500 (0xFF451154)
YUV	40.1860, 21.6003, 25.2699
Hunter-Lab	15.1734, 23.4345, -22.9783

Details

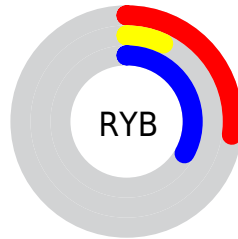
The CIELCh color **17, 45.563, 320.616** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 44.558, 134.061**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 45.239, 320.708**, and **3, 24.932, 310.722** is the 20% darker color. If you saturate the color by 10%, you get **16, 49.071, 320.537**, and if you desaturate by 10%, it is **19, 41.104, 320.535**.

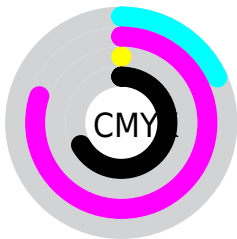
Distribution



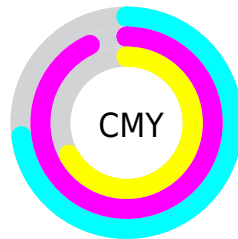
- Red (27%)
- Green (7%)
- Blue (33%)



- Red (27%)
- Yellow (7%)
- Blue (33%)



- Cyan (18%)
- Magenta (80%)
- Yellow (0%)
- Black (67%)





- Cyan (73%)
- Magenta (93%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 45.563, 320.616 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, 45.563, 320.616 by changing the saturation by 10% instead.

 17, 45.563,
320.616


 17, 45.563,
320.616


 100, 45.563,
320.616


 7, 45.563, 320.616


 37, 45.563,
320.616

 0, 45.563, 320.616

 47, 45.563,
320.616


 57, 45.563,
320.616


 67, 45.563,
320.616


 77, 45.563,
320.616


 87, 45.563,


320.616


 97, 45.563,
320.616


 17, 45.563,
320.616


 17, 45.563,
320.616


 16, 49.071,
320.537


 19, 41.104,
320.535


 14, 52.474,
320.481

 21, 35.913,
320.327

 14, 52.543,
320.481

 23, 30.227,
320.029

 25, 24.248,
319.672

 28, 18.130,
319.281

■ 30, 11.985,
318.875

■ 33, 5.889, 318.462

■ 36, 0.109, 139.077

■ 38, 5.981, 137.728

Harmonies

Complementary

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



17, 45.563, 320.616



31, 44.558, 134.061

Rectangle

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



17, 45.563, 320.616



17, 45.563, 10.616



17, 45.563, 140.616



17, 45.563, 190.616

Sweetspot

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



17, 45.562, 320.616



38, 18.157, 319.080



15, 36.143, 293.308



18, 12.588, 319.171



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



17, 45.562, 320.616



21, 62.060, 320.311



19, 38.303, 338.900



15, 3.274, 318.415



19, 61.262, 320.273



46, 110.114, 319.764

Inverse Universe

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



17, 32.707, 15.102



22, 46.568, 23.029



31, 39.559, 144.886



15, 2.110, 2.112



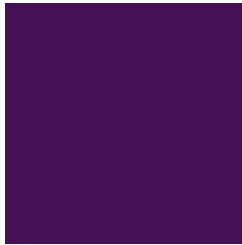
20, 46.400, 24.310



49, 85.833, 28.496

Previews

White Background



This preview shows how the CIE LCh color 17, 45.563, 320.616 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, 45.563, 320.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

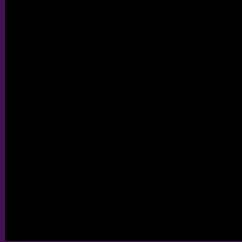
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 45.563, 320.616

Background



This preview shows how black text looks on a background with the CIELCh color 17, 45.563, 320.616.



This preview shows how white text looks on a background with the CIELCh color 17, 45.563, 320.616.

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, 45.563, 320.616

Protanopia

17, 32.899, 283.154

Deuteranopia

17, 25.441, 273.005



Tritanopia
18, 13.277, 16.973

Trichromacy



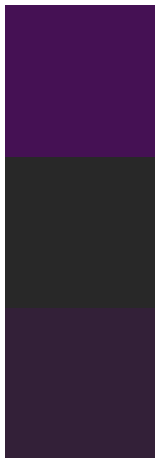
Original Color
17, 45.563, 320.616

Protanomaly
15, 37.664, 296.112

Deuteranomaly
15, 32.939, 294.009

Tritanomaly
17, 23.367, 337.041

Monochromacy



Original Color
17, 45.563, 320.616

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 18.681, 320.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 45.563, 320.616 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(69, 17, 84)` looks like.

```
.text, #text, p{  
    color:rgb(69, 17, 84)  
}
```

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(69, 17, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 17, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 45.563, 320.616 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(69, 17, 84) }
```

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

```
.border{ border-color:rgb(69, 17, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 17, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 17, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 17, 84);  
box-shadow:4px 4px 4px 4px rgb(69, 17, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 45.563, 320.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 17, 84) }
```

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

```
.background{ background-color: rgb(69, 17,  
84) }
```

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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