

Converting Colors

CIELCh(17, 45.254, 303.889)

Have a look what the booklet for
CIELCh(17, 45.254, 303.889)
contains.

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Color

CIELCh(17, 45.143, 303.685)

Conversions

Conversions Part 1

Format	Color
Hex	2A1F61
RGB	42, 31, 97
RGB Percent	16%, 12%, 38%
CMY	0.8369, 0.8797, 0.6211
CMYK	0.57, 0.68, 0.00, 0.62
HSL	250°, 52%, 25%
HSV	250°, 68%, 38%
XYZ	3.5592, 2.3023, 11.4713
YIQ	41.8130, -14.6300, 22.8580

Conversions

Conversions Part 2

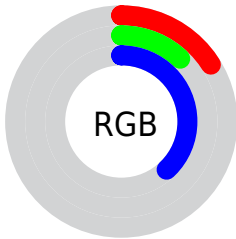
Format	Color
R_{YB}	42, 31, 97
Decimal	2760545
CIE _{Lab}	17.00, 25.04, -37.56
CIE _{LCh}	17, 45.143, 303.685
Yxy	2.3023, 0.2053, 0.1328
Android (android.graphics.Color)	4280950625 (0xFF2A1F61)
YUV	41.8130, 27.2072, 0.1640
Hunter-Lab	15.1734, 15.3168, -34.2027




Details

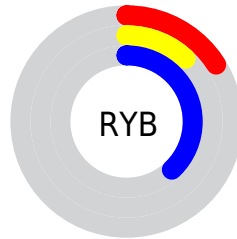
The CIELCh color **17, 45.143, 303.685** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **39, 37.803, 112.432**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 44.739, 303.471**, and **2, 32.875, 296.401** is the 20% darker color. If you saturate the color by 10%, you get **14, 51.918, 304.953**, and if you desaturate by 10%, it is **20, 38.100, 302.377**.

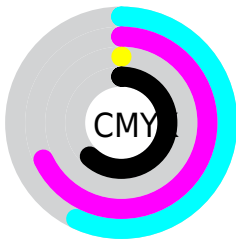
Distribution







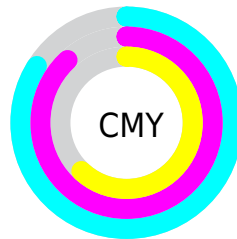
-  Red (16%)
-  Green (12%)
-  Blue (38%)






-  Red (16%)
-  Yellow (12%)
-  Blue (38%)



-  Cyan (57%)
-  Magenta (68%)
-  Yellow (0%)
-  Black (62%)



-  Cyan (84%)
-  Magenta (88%)
-  Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 45.143, 303.685 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, 45.143, 303.685 by changing the saturation by 10% instead.

■ 17, 45.143,
303.685

■ 17, 45.143,
303.685

■ 100, 45.143,
303.685

■ 7, 45.143, 303.685

■ 37, 45.143,
303.685

■ 0, 45.143, 303.685

■ 47, 45.143,
303.685


■ 57, 45.143,
303.685


■ 67, 45.143,
303.685

■ 77, 45.143,
303.685


■ 87, 45.143,


303.685


 97, 45.143,
303.685


 17, 45.143,
303.685

 17, 45.143,
303.685


 14, 51.918,
304.953

 20, 38.100,
302.377


 11, 57.919,
306.021


 24, 31.077,
301.122

 9, 63.514, 307.135

 27, 24.211,
299.971

 9, 64.612, 307.400

 31, 17.560,
298.942

 34, 11.140,
298.034

■ 38, 4.949, 297.242

■ 42, 1.021, 116.551

■ 45, 6.784, 115.953

■ 49, 12.351,
115.435

Harmonies

Complementary

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



17, 45.143, 303.685



39, 37.803, 112.432

Rectangle

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



17, 45.143, 303.685



17, 45.143, 353.685



17, 45.143, 123.685



17, 45.143, 173.685

Sweetspot

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



17, 45.143, 303.686



44, 15.146, 298.236



34, 18.433, 217.159



21, 10.451, 298.408



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



17, 45.143, 303.686



18, 66.915, 305.648



21, 44.917, 316.651



18, 3.375, 297.288



11, 71.928, 307.276



31, 126.450, 306.900

Inverse Universe

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



24, 41.194, 333.439



29, 56.364, 334.500



37, 42.517, 131.161



18, 3.611, 329.824



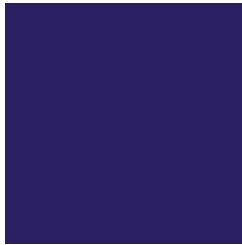
25, 55.742, 335.729



55, 96.707, 336.291

Previews

White Background



This preview shows how the CIE LCh color 17, 45.143, 303.685 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, 45.143, 303.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

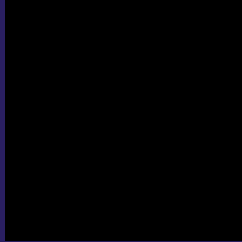
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 45.143, 303.685

Background



This preview shows how black text looks on a background with the CIELCh color 17, 45.143, 303.685.



This preview shows how white text looks on a background with the CIELCh color 17, 45.143, 303.685.

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

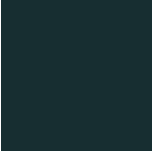
17, 45.143, 303.685

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 22.564, 267.482



Tritanopia
17, 9.347, 210.631

Trichromacy



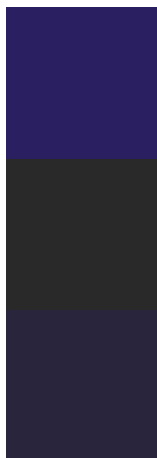
Original Color
17, 45.143, 303.685

Protanomaly
16, 36.849, 291.204

Deuteranomaly
16, 30.159, 286.020

Tritanomaly
16, 18.324, 283.655

Monochromacy



Original Color
17, 45.143, 303.685

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 16.944, 299.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 45.143, 303.685 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(42, 31, 97)` looks like.

```
.text, #text, p{  
    color:rgb(42, 31, 97)  
}
```

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(42, 31, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 31, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 45.143, 303.685 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(42, 31, 97) }
```

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

```
.border{ border-color:rgb(42, 31, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 31, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 31, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 31, 97);  
box-shadow:4px 4px 4px 4px rgb(42, 31, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 45.143, 303.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 31, 97) }
```

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

```
.background{ background-color: rgb(42, 31,  
97) }
```

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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