

Converting Colors

CIELCh(45, 17.220, 292.545)

Have a look what the booklet for
CIELCh(45, 17.220, 292.545)
contains.

| | |
|--|----|
| CIELCh(45, 17.333, 292.572) | 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(45, 17.333, 292.572)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 686885 |
| RGB | 104, 104, 133 |
| RGB Percent | 41%, 41%, 52% |
| CMY | 0.5921, 0.5921, 0.4784 |
| CMYK | 0.22, 0.22, 0.00, 0.48 |
| HSL | 240°, 12%, 46% |
| HSV | 240°, 22%, 52% |
| XYZ | 14.8974, 14.5417, 24.2180 |
| YIQ | 107.3060, -9.3090, 9.0190 |

Conversions

Conversions Part 2

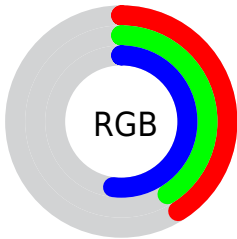
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 104, 104, 133 |
| Decimal | 6842501 |
| CIELab | 45.00, 6.65, -16.01 |
| CIElCh | 45, 17.333, 292.572 |
| Yxy | 14.5417, 0.2776, 0.2710 |
| Android (android.graphics.Color) | 4285032581 (0xFF686885) |
| YUV | 107.3060, 12.6671, -2.8994 |
| Hunter-Lab | 38.1336, 2.9998, -10.9605 |

Details

The CIELCh color $45, 17.333, 292.572$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 16.507, 108.145$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.270, 293.155$, and $25, 17.157, 292.391$ is the 20% darker color. If you saturate the color by 10%, you get $40, 25.803, 293.976$, and if you desaturate by 10%, it is $50, 9.200, 291.373$.

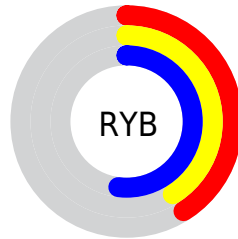
Distribution



Red (41%)

Green (41%)

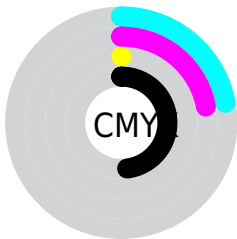
Blue (52%)



Red (41%)

Yellow (41%)

Blue (52%)

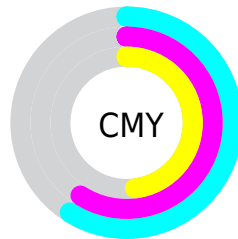


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (48%)



Cyan (59%)


Magenta (59%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 17.333, 292.572 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 45, 17.333, 292.572 by changing the saturation by 10% instead.


 45, 17.333,
292.572


 45, 17.333,
292.572


 100, 17.333,
292.572


 35, 17.333,
292.572

 65, 17.333,
292.572


 25, 17.333,
292.572

 75, 17.333,
292.572

 15, 17.333,
292.572

 85, 17.333,
292.572

 5, 17.333, 292.572

 95, 17.333,
292.572

 0, 17.333, 292.572

 45, 17.333,

 45, 17.333,

292.572

40, 25.803,
293.976

35, 34.628,
295.608

31, 43.792,
297.472

26, 53.196,
299.530

22, 62.546,
301.671

18, 71.175,
303.679

15, 77.961,
305.247

14, 82.532,
306.287

292.572

50, 9.200, 291.373

55, 1.384, 290.379

59, 6.141, 109.464

64, 13.394,
108.722

69, 20.396,
108.082

74, 27.162,
107.531

78, 33.710,
107.053

83, 40.051,
106.638

87, 46.200,

Harmonies

Complementary

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



45, 17.333, 292.572



55, 16.507, 108.145

Rectangle

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



45, 17.333, 292.572



45, 17.333, 342.572



45, 17.333, 112.572



45, 17.333, 162.572

Sweetspot

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



45, 17.332, 292.571



67, 6.719, 290.881



53, 10.827, 196.853



34, 4.351, 290.927



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 17.332, 292.571



55, 25.918, 293.216



46, 18.132, 309.490



25, 4.363, 291.084



13, 81.196, 306.287



0, 1.028, 290.177

Inverse Universe

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



47, 12.403, 20.928



58, 18.698, 21.404



54, 17.599, 127.516



26, 3.050, 19.877



26, 62.118, 38.507



0, 0.707, 19.403

Previews

White Background



This preview shows how the CIELCh color 45, 17.333, 292.572 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 × Fail

Black Background



This preview shows how the CIE LCh color 45, 17.333, 292.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

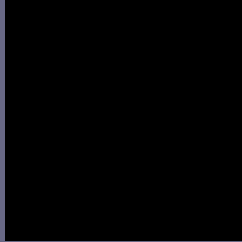
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 17.333, 292.572

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.333, 292.572.



This preview shows how white text looks on a background with the CIELCh color 45, 17.333, 292.572.

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


45, 17.333, 292.572

Protanopia

45, 17.396, 285.422

Deuteranopia

45, 17.331, 291.366



Tritanopia
45, 5.812, 267.131

Trichromacy



Original Color
45, 17.333, 292.572

Protanomaly
45, 17.338, 287.766

Deuteranomaly
45, 17.331, 291.366

Tritanomaly
45, 9.639, 282.381

Monochromacy



Original Color
45, 17.333, 292.572

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.970, 291.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.333, 292.572 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(104, 104, 133)` looks like.

```
.text, #text, p{  
    color:rgb(104, 104, 133)  
}
```

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(104, 104, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 104, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.333, 292.572 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(104, 104, 133) }
```

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

```
.border{ border-color:rgb(104, 104, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 104, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 104, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 104, 133);  
box-shadow:4px 4px 4px 4px rgb(104, 104,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.333, 292.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 104, 133) }
```

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

```
.background{ background-color: rgb(104,  
104, 133) }
```

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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