

Converting Colors

CIELCh(45, 13.625, 315.117)

Have a look what the booklet for
CIELCh(45, 13.625, 315.117)
contains.

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Color

CIELCh(45, 13.603, 313.802)

Conversions

Conversions Part 1

Format	Color
Hex	73667B
RGB	115, 102, 123
RGB Percent	45%, 40%, 48%
CMY	0.5495, 0.6005, 0.5181
CMYK	0.07, 0.17, 0.00, 0.52
HSL	277°, 9%, 44%
HSV	277°, 17%, 48%
XYZ	15.3601, 14.5417, 20.6944
YIQ	108.2810, 1.0070, 9.2870

Conversions

Conversions Part 2

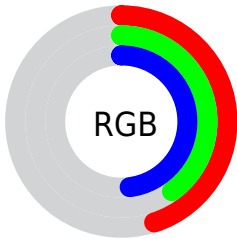
Format	Color
R_{YB}	115, 102, 123
Decimal	7562875
CIE _{Lab}	45.00, 9.42, -9.82
CIE _{LCh}	45, 13.603, 313.802
Yxy	14.5417, 0.3036, 0.2874
Android (android.graphics.Color)	4285752955 (0xFF73667B)
YUV	108.2810, 7.2565, 5.8926
Hunter-Lab	38.1336, 5.1655, -5.4820

Details

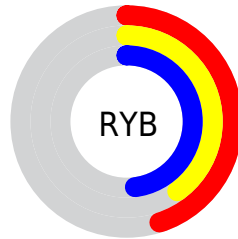
The CIELCh color **45, 13.603, 313.802** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 13.380, 132.411**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.357, 314.194**, and **25, 13.577, 314.513** is the 20% darker color. If you saturate the color by 10%, you get **41, 21.775, 314.237**, and if you desaturate by 10%, it is **49, 5.578, 313.375**.

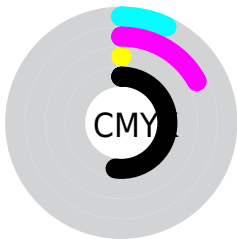
Distribution



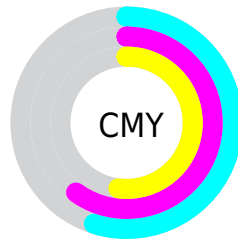
- Red (45%)
- Green (40%)
- Blue (48%)



- Red (45%)
- Yellow (40%)
- Blue (48%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)
- Black (52%)





- Cyan (55%)
- Magenta (60%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.603, 313.802 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, 13.603, 313.802 by changing the saturation by 10% instead.


 45, 13.603,
313.802


 45, 13.603,
313.802


 100, 13.603,
313.802


 35, 13.603,
313.802

 65, 13.603,
313.802


 25, 13.603,
313.802

 75, 13.603,
313.802

 15, 13.603,
313.802

 85, 13.603,
313.802

 5, 13.603, 313.802

 95, 13.603,
313.802

 0, 13.603, 313.802

 45, 13.603,

 45, 13.603,

313.802

41, 21.775,
314.237

38, 30.027,
314.674

34, 38.239,
315.093

31, 46.223,
315.460

27, 53.704,
315.732

25, 60.306,
315.846

22, 65.596,
315.729

20, 69.514,
315.387

313.802

49, 5.578, 313.375

53, 2.256, 133.053

57, 9.881, 132.656

60, 17.291,
132.324

64, 24.487,
132.026

68, 31.474,
131.759

72, 38.261,
131.522

76, 44.856,
131.311

80, 51.271,

■ 20, 70.679,
315.311

131.126

Harmonies

Complementary

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



45, 13.603, 313.802



50, 13.380, 132.411

Rectangle

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



45, 13.603, 313.802



45, 13.603, 3.802



45, 13.603, 133.802



45, 13.603, 183.802

Sweetspot

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



45, 13.602, 313.801



64, 4.892, 313.289



46, 8.207, 269.239



33, 3.365, 313.314



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 13.602, 313.801



56, 20.914, 313.993



46, 13.902, 328.728



24, 4.430, 313.459



20, 71.545, 315.293



44, 120.926, 314.731

Inverse Universe

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



45, 9.919, 352.136



57, 15.272, 352.606



49, 13.875, 146.731



24, 3.220, 351.332



25, 49.988, 11.552



54, 84.758, 14.657

Previews

White Background



This preview shows how the CIELCh color 45, 13.603, 313.802 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 CIELCh color 45, 13.603, 313.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

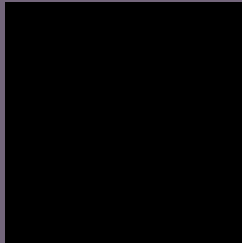
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.603, 313.802

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.603, 313.802.



This preview shows how white text looks on a background with the CIELCh color 45, 13.603, 313.802.

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

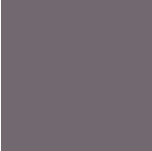
45, 13.603, 313.802

Protanopia

45, 11.369, 286.018

Deuteranopia

45, 10.967, 301.862



Tritanopia
45, 6.045, 328.018

Trichromacy



Original Color
45, 13.603, 313.802

Protanomaly
45, 11.388, 295.617

Deuteranomaly
45, 11.831, 307.012

Tritanomaly
45, 8.974, 320.646

Monochromacy



Original Color
45, 13.603, 313.802

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.497, 311.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.603, 313.802 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(115, 102, 123)` looks like.

```
.text, #text, p{  
    color:rgb(115, 102, 123)  
}
```

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(115, 102, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 102, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.603, 313.802 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(115, 102, 123) }
```

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

```
.border{ border-color:rgb(115, 102, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 102, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 102, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 102, 123);  
box-shadow:4px 4px 4px 4px rgb(115, 102,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.603, 313.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 102, 123) }
```

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

```
.background{ background-color: rgb(115,  
102, 123) }
```

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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