

Converting Colors

CIELCh(45, 18.754, 300.651)

Have a look what the booklet for
CIELCh(45, 18.754, 300.651)
contains.

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Color

CIELCh(45, 18.785, 300.664)

Conversions

Conversions Part 1

Format	Color
Hex	6D6685
RGB	109, 102, 133
RGB Percent	43%, 40%, 52%
CMY	0.5712, 0.5987, 0.4771
CMYK	0.18, 0.23, 0.00, 0.48
HSL	254°, 13%, 46%
HSV	254°, 23%, 52%
XYZ	15.3880, 14.5417, 24.3099
YIQ	107.6270, -5.7790, 11.1250

Conversions

Conversions Part 2

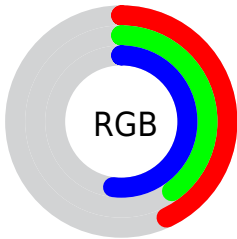
Format	Color
R_{YB}	109, 102, 133
Decimal	7169669
CIE Lab	45.00, 9.58, -16.16
CIE LCh	45, 18.785, 300.664
Yxy	14.5417, 0.2837, 0.2681
Android (android.graphics.Color)	4285359749 (0xFF6D6685)
YUV	107.6270, 12.5089, 1.2041
Hunter-Lab	38.1336, 5.2961, -11.1034

Details

The CIELCh color $45, 18.785, 300.664$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $54, 17.914, 117.522$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.661, 300.848$, and $25, 18.710, 301.039$ is the 20% darker color. If you saturate the color by 10%, you get $40, 27.346, 301.554$, and if you desaturate by 10%, it is $50, 10.517, 299.877$.

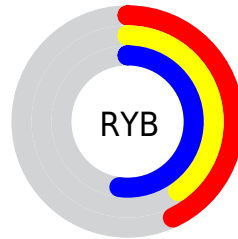
Distribution



Red (43%)

Green (40%)

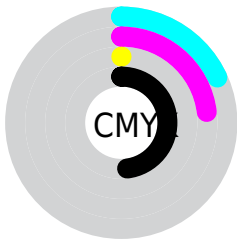
Blue (52%)



Red (43%)

Yellow (40%)

Blue (52%)

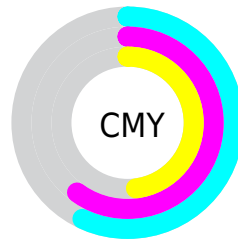


Cyan (18%)

Magenta (23%)

Yellow (0%)

Black (48%)



Cyan (57%)

Magenta (60%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 18.785, 300.664 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, 18.785, 300.664 by changing the saturation by 10% instead.

 45, 18.785,
300.664


 45, 18.785,
300.664

 100, 18.785,
300.664

 35, 18.785,
300.664

 65, 18.785,
300.664

 25, 18.785,
300.664

 75, 18.785,
300.664

 15, 18.785,
300.664


 85, 18.785,
300.664

 5, 18.785, 300.664

 95, 18.785,
300.664

 0, 18.785, 300.664

 45, 18.785,

 45, 18.785,

300.664

300.664

■ 40, 27.346,
301.554

■ 50, 10.517,
299.877

■ 36, 36.184,
302.549

■ 54, 2.544, 299.186

■ 31, 45.227,
303.632

■ 59, 5.145, 118.598

■ 63, 12.566,
118.080

■ 27, 54.315,
304.761

■ 68, 19.734,
117.632

■ 23, 63.114,
305.852

■ 72, 26.665,
117.246

■ 20, 71.028,
306.765

■ 77, 33.374,
116.913

■ 17, 77.202,
307.313

■ 81, 39.874,
116.626

■ 15, 80.922,
307.697

■ 85, 46.180,
116.378

Harmonies

Complementary

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



45, 18.785, 300.664



54, 17.914, 117.522

Rectangle

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



45, 18.785, 300.664



45, 18.785, 350.664



45, 18.785, 120.664



45, 18.785, 170.664

Sweetspot

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



45, 18.784, 300.663



67, 6.809, 299.445



51, 9.686, 222.527



34, 4.408, 299.476



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, 18.784, 300.663



55, 28.297, 301.128



46, 20.366, 317.213



26, 4.420, 299.581



15, 79.451, 307.716



0, 1.043, 298.986

Inverse Universe

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



47, 18.783, 332.903



58, 28.025, 333.264



53, 20.048, 135.217



26, 4.504, 331.976



29, 59.200, 339.360



0, 1.072, 331.447

Previews

White Background



This preview shows how the CIELCh color 45, 18.785, 300.664 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, 18.785, 300.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

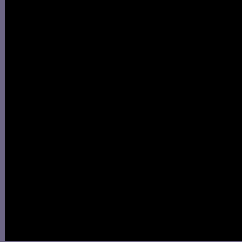
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.785, 300.664

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.785, 300.664.



This preview shows how white text looks on a background with the CIELCh color 45, 18.785, 300.664.

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, 18.785, 300.664

Protanopia

45, 17.985, 285.766

Deuteranopia

45, 17.331, 291.366



Tritanopia
45, 4.777, 290.856

Trichromacy



Original Color
45, 18.785, 300.664

Protanomaly
45, 17.926, 291.490

Deuteranomaly
45, 17.982, 295.002

Tritanomaly
45, 9.604, 296.148

Monochromacy



Original Color
45, 18.785, 300.664

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 6.624, 297.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.785, 300.664 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(109, 102, 133)` looks like.

```
.text, #text, p{  
    color:rgb(109, 102, 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(109, 102, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 102, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.785, 300.664 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(109, 102, 133) }
```

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

```
.border{ border-color:rgb(109, 102, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 102, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 102, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 102, 133);  
box-shadow:4px 4px 4px 4px rgb(109, 102,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.785, 300.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 102, 133) }
```

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

```
.background{ background-color: rgb(109,  
102, 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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