

Converting Colors

CIELCh(45, 19.366, 300.390)

Have a look what the booklet for
CIELCh(45, 19.366, 300.390)
contains.

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Color

CIELCh(45, 19.373, 300.467)

Conversions

Conversions Part 1

Format	Color
Hex	6D6686
RGB	109, 102, 134
RGB Percent	43%, 40%, 53%
CMY	0.5716, 0.5991, 0.4736
CMYK	0.19, 0.24, 0.00, 0.47
HSL	253°, 14%, 46%
HSV	253°, 24%, 53%
XYZ	15.4291, 14.5417, 24.6357
YIQ	107.7410, -6.1000, 11.4360

Conversions

Conversions Part 2

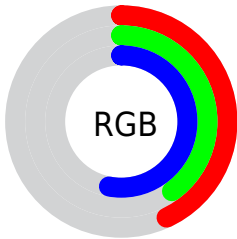
Format	Color
R_{YB}	109, 102, 134
Decimal	7169670
CIE _{Lab}	45.00, 9.82, -16.70
CIE _{LCh}	45, 19.373, 300.467
Yxy	14.5417, 0.2826, 0.2663
Android (android.graphics.Color)	4285359750 (0xFF6D6686)
YUV	107.7410, 12.9457, 1.1041
Hunter-Lab	38.1336, 5.4886, -11.6100

Details

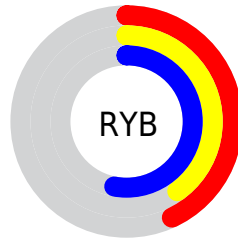
The CIELCh color $45, 19.373, 300.467$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 18.444, 117.193$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 19.209, 300.628$, and $25, 19.357, 300.871$ is the 20% darker color. If you saturate the color by 10%, you get $40, 27.998, 301.378$, and if you desaturate by 10%, it is $50, 11.045, 299.662$.

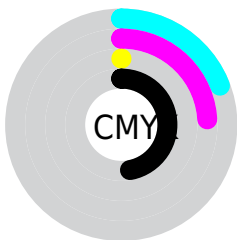
Distribution



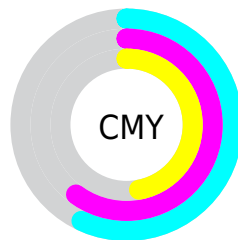
- Red (43%)
- Green (40%)
- Blue (53%)



- Red (43%)
- Yellow (40%)
- Blue (53%)



- Cyan (19%)
- Magenta (24%)
- Yellow (0%)
- Black (47%)




- Cyan (57%)
- Magenta (60%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.373, 300.467 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, 19.373, 300.467 by changing the saturation by 10% instead.


 45, 19.373,
300.467


 45, 19.373,
300.467


 100, 19.373,
300.467


 35, 19.373,
300.467

 65, 19.373,
300.467


 25, 19.373,
300.467

 75, 19.373,
300.467

 15, 19.373,
300.467


 85, 19.373,
300.467

 5, 19.373, 300.467

 95, 19.373,
300.467

 0, 19.373, 300.467

 45, 19.373,

 45, 19.373,

300.467

300.467

■ 40, 27.998,
301.378

■ 50, 11.045,
299.662

■ 36, 36.901,
302.397

■ 54, 3.017, 298.957

■ 31, 46.010,
303.506

■ 59, 4.725, 118.354

■ 63, 12.195,
117.825

■ 27, 55.156,
304.661

■ 68, 19.410,
117.368

■ 23, 63.990,
305.774

■ 72, 26.385,
116.974

■ 20, 71.888,
306.699

■ 77, 33.136,
116.634

■ 17, 77.988,
307.249

■ 81, 39.676,
116.340

■ 15, 81.404,
307.621

■ 86, 46.020,
116.088

Harmonies

Complementary

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



45, 19.373, 300.467



55, 18.444, 117.193

Rectangle

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



45, 19.373, 300.467



45, 19.373, 350.467



45, 19.373, 120.467



45, 19.373, 170.467

Sweetspot

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



45, 19.372, 300.466



67, 6.803, 299.180



52, 9.966, 222.565



34, 4.405, 299.212



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, 19.372, 300.466



54, 29.346, 300.981



47, 21.002, 317.238



26, 4.417, 299.317



15, 79.531, 307.645



0, 1.042, 298.715

Inverse Universe

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



47, 19.459, 332.676



58, 29.164, 333.063



53, 20.666, 135.186



26, 4.527, 331.717



29, 59.498, 338.927



0, 1.077, 331.191

Previews

White Background



This preview shows how the CIELCh color 45, 19.373, 300.467 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, 19.373, 300.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

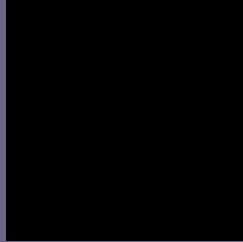
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 19.373, 300.467

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.373, 300.467.

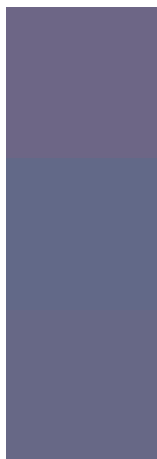


This preview shows how white text looks on a background with the CIELCh color 45, 19.373, 300.467.

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, 19.373, 300.467

Protanopia

45, 18.609, 285.018

Deuteranopia

45, 17.926, 291.490



Tritanopia
45, 4.777, 290.856

Trichromacy



Original Color
45, 19.373, 300.467

Protanomaly
45, 18.525, 290.498

Deuteranomaly
45, 18.577, 294.996

Tritanomaly
45, 9.604, 296.148

Monochromacy



Original Color
45, 19.373, 300.467

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 7.216, 297.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.373, 300.467 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(109, 102, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 102, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.373, 300.467 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, 134) }
```

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

```
.border{ border-color:rgb(109, 102, 134) }
```

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, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 102, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 102, 134);  
box-shadow:4px 4px 4px 4px rgb(109, 102,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.373, 300.467 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, 134) }
```

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

```
.background{ background-color: rgb(109,  
102, 134) }
```

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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