

Converting Colors

CIELCh(45, 45.875, 289.736)

Have a look what the booklet for
CIELCh(45, 45.875, 289.736)
contains.

CIELCh(45, 45.891, 289.623)	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, 45.891, 289.623)

Conversions

Conversions Part 1

Format	Color
Hex	5366B3
RGB	83, 102, 179
RGB Percent	33%, 40%, 70%
CMY	0.6753, 0.6007, 0.2989
CMYK	0.54, 0.43, 0.00, 0.30
HSL	228°, 39%, 51%
HSV	228°, 54%, 70%
XYZ	16.3971, 14.5417, 44.4791
YIQ	105.0970, -36.0410, 19.9190

Conversions

Conversions Part 2

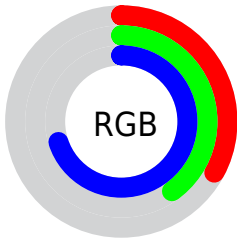
Format	Color
R_{YB}	83, 99, 179
Decimal	5465779
CIE _{Lab}	45.00, 15.41, -43.23
CIE _{LCh}	45, 45.891, 289.623
Yxy	14.5417, 0.2174, 0.1928
Android (android.graphics.Color)	4283655859 (0xFF5366B3)
YUV	105.0970, 36.4342, -19.3791
Hunter-Lab	38.1336, 10.0196, -42.4624

Details

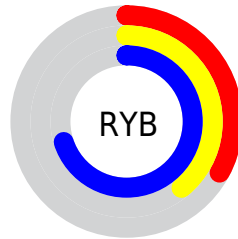
The CIELCh color `45, 45.891, 289.623` is a dark color, and the websafe version is hex `3366CC`. A complement of this color would be `66, 42.336, 94.177`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 45.575, 289.613`, and `25, 45.895, 289.605` is the 20% darker color. If you saturate the color by 10%, you get `40, 55.379, 292.218`, and if you desaturate by 10%, it is `50, 36.722, 287.334`.

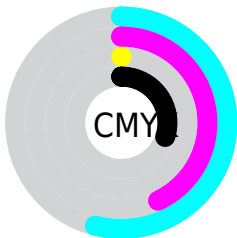
Distribution



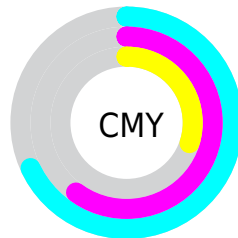
- Red (33%)
- Green (40%)
- Blue (70%)



- Red (33%)
- Yellow (39%)
- Blue (70%)



- Cyan (54%)
- Magenta (43%)
- Yellow (0%)
- Black (30%)





- Cyan (68%)
- Magenta (60%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 45.891, 289.623 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, 45.891, 289.623 by changing the saturation by 10% instead.


 45, 45.891,
289.623


 45, 45.891,
289.623


 100, 45.891,
289.623


 35, 45.891,
289.623

 65, 45.891,
289.623


 25, 45.891,
289.623

 75, 45.891,
289.623

 15, 45.891,
289.623

 85, 45.891,
289.623

 5, 45.891, 289.623

 95, 45.891,
289.623

 0, 45.891, 289.623

 45, 45.891,

 45, 45.891,

289.623

289.623

■ 40, 55.379,
292.218

■ 50, 36.722,
287.334

■ 35, 65.133,
295.063

■ 55, 27.867,
285.350

■ 31, 74.940,
298.026

■ 61, 19.299,
283.648

■ 27, 84.304,
300.883

■ 66, 10.994,
282.194

■ 25, 89.657,
302.438

■ 71, 2.929, 280.978

■ 76, 4.910, 99.822

■ 81, 12.537, 98.908

■ 86, 19.963, 98.101

■ 91, 27.196, 97.393

Harmonies

Complementary

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



45, 45.891, 289.623



66, 42.336, 94.177

Rectangle

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



45, 45.891, 289.623



45, 45.891, 339.623



45, 45.891, 109.623



45, 45.891, 159.623

Sweetspot

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



45, 45.890, 289.624



82, 15.937, 282.547



67, 33.071, 177.900



42, 10.878, 282.835



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



45, 45.890, 289.624



51, 68.947, 292.602



42, 58.136, 305.888



35, 4.514, 281.629



21, 79.078, 302.114



2, 11.347, 283.086

Inverse Universe

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



48, 41.667, 11.065



57, 61.306, 14.171



69, 51.604, 118.855



35, 4.041, 4.182



32, 63.068, 28.713



2, 9.407, 6.895

Previews

White Background



This preview shows how the CIE LCh color 45, 45.891, 289.623 looks on a white background.

Color Contrast Check

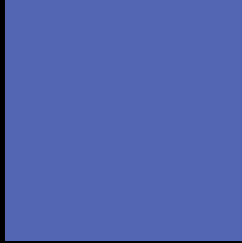
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.891, 289.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

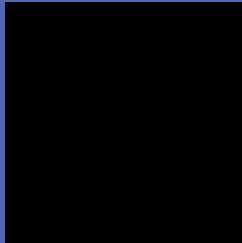
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 45.891, 289.623

Background



This preview shows how black text looks on a background with the CIELCh color 45, 45.891, 289.623.



This preview shows how white text looks on a background with the CIELCh color 45, 45.891, 289.623.

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, 45.891, 289.623

Protanopia

45, 46.085, 285.992

Deuteranopia

45, 43.215, 279.288



Tritanopia
45, 17.779, 215.396

Trichromacy



Original Color
45, 45.891, 289.623

Protanomaly
45, 46.004, 287.468

Deuteranomaly
45, 44.004, 282.936

Tritanomaly
45, 22.799, 259.153

Monochromacy



Original Color
45, 45.891, 289.623

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 16.875, 283.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 45.891, 289.623 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(83, 102, 179)` looks like.

```
.text, #text, p{  
    color:rgb(83, 102, 179)  
}
```

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(83, 102, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 102, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 45.891, 289.623 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(83, 102, 179) }
```

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

```
.border{ border-color:rgb(83, 102, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 102, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 102, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 102, 179);  
box-shadow:4px 4px 4px 4px rgb(83, 102,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 45.891, 289.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 102, 179) }
```

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

```
.background{ background-color: rgb(83, 102,  
179) }
```

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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