

Converting Colors

CIELCh(45, 8.857, 290.501)

Have a look what the booklet for
CIELCh(45, 8.857, 290.501) contains.

CIELCh(45, 8.965, 291.437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 8.965, 291.437)

Conversions

Conversions Part 1

Format	Color
Hex	696978
RGB	105, 105, 120
RGB Percent	41%, 41%, 47%
CMY	0.5872, 0.5872, 0.5283
CMYK	0.12, 0.12, 0.00, 0.53
HSL	240°, 7%, 44%
HSV	240°, 12%, 47%
XYZ	14.3446, 14.5417, 19.9093
YIQ	106.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

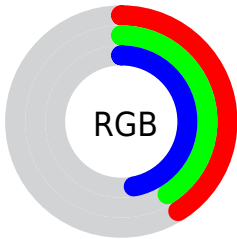
Format	Color
R_{YB}	105, 105, 120
Decimal	6908280
CIE _{Lab}	45.00, 3.28, -8.34
CIE _{LCh}	45, 8.965, 291.437
Yxy	14.5417, 0.2940, 0.2980
Android (android.graphics.Color)	4285098360 (0xFF696978)
YUV	106.7100, 6.5520, -1.4997
Hunter-Lab	38.1336, 0.4122, -4.2614

Details

The CIELCh color **45, 8.965, 291.437** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 8.723, 109.027**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 8.908, 291.125**, and **25, 9.244, 292.092** is the 20% darker color. If you saturate the color by 10%, you get **41, 16.467, 292.629**, and if you desaturate by 10%, it is **49, 1.750, 290.431**.

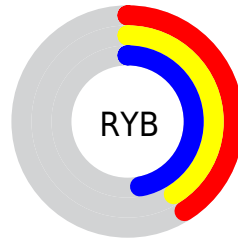
Distribution



Red (41%)

Green (41%)

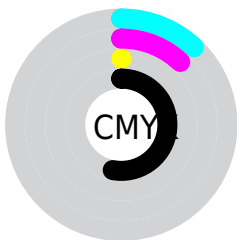
Blue (47%)



Red (41%)

Yellow (41%)

Blue (47%)

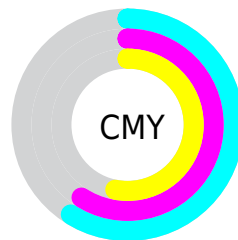


Cyan (12%)

Magenta (12%)

Yellow (0%)

Black (53%)



Cyan (59%)

Magenta (59%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 8.965, 291.437 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, 8.965, 291.437 by changing the saturation by 10% instead.

■ 45, 8.965, 291.437

■ 45, 8.965, 291.437

■ 100, 8.965,
291.437

■ 35, 8.965, 291.437

■ 65, 8.965, 291.437

■ 25, 8.965, 291.437

■ 75, 8.965, 291.437

■ 15, 8.965, 291.437

■ 85, 8.965, 291.437

■ 5, 8.965, 291.437

■ 95, 8.965, 291.437

■ 0, 8.965, 291.437

■ 45, 8.965, 291.437

■ 45, 8.965, 291.437

■ 41, 16.467,
292.629

■ 49, 1.750, 290.431

■ 36, 24.279,

■ 54, 5.196, 109.524

294.028

58, 11.894,
108.781

32, 32.415,
295.651

63, 18.361,
108.139

27, 40.859,
297.501

67, 24.613,
107.585

23, 49.520,
299.540

71, 30.663,
107.105

19, 58.129,
301.660

75, 36.525,
106.686

16, 66.086,
303.651

80, 42.209,
106.321

13, 72.393,
305.218

84, 47.727,
106.000

12, 76.761,
306.287

Harmonies

Complementary

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



45, 8.965, 291.437



50, 8.723, 109.027

Rectangle

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



45, 8.965, 291.437



45, 8.965, 341.437



45, 8.965, 111.437



45, 8.965, 161.437

Sweetspot

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



45, 8.964, 291.433



62, 3.496, 290.576



49, 5.856, 197.384



32, 2.506, 290.637



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 8.964, 291.433



56, 13.377, 291.759



46, 9.431, 309.024



23, 4.080, 291.070



12, 78.889, 306.287



32, 132.799, 306.287

Inverse Universe

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



46, 6.305, 20.125



57, 9.460, 20.353



50, 9.271, 127.955



24, 2.851, 19.867



25, 60.075, 38.172



53, 103.781, 39.999

Previews

White Background



This preview shows how the CIELCh color 45, 8.965, 291.437 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, 8.965, 291.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

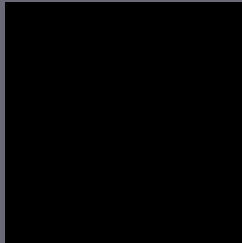
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

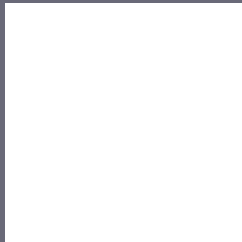
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 8.965, 291.437

Background



This preview shows how black text looks on a background with the CIELCh color 45, 8.965, 291.437.



This preview shows how white text looks on a background with the CIELCh color 45, 8.965, 291.437.

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, 8.965, 291.437

Protanopia

45, 8.377, 286.044

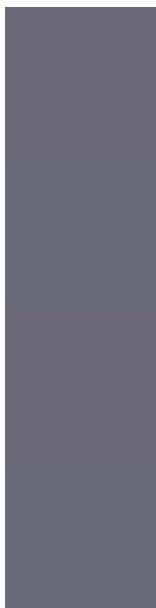
Deuteranopia

45, 10.464, 304.519



Tritanopia
45, 5.418, 282.559

Trichromacy



Original Color

45, 8.965, 291.437

Protanomaly

45, 8.377, 286.044

Deuteranomaly

45, 10.312, 300.269

Tritanomaly

45, 6.599, 284.284

Monochromacy



Original Color

45, 8.965, 291.437

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 3.584, 290.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 8.965, 291.437 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(105, 105, 120)` looks like.

```
.text, #text, p{  
    color:rgb(105, 105, 120)  
}
```

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(105, 105, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 105, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 8.965, 291.437 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(105, 105, 120) }
```

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

```
.border{ border-color:rgb(105, 105, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 105, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 105, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 105, 120);  
box-shadow:4px 4px 4px 4px rgb(105, 105,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 8.965, 291.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 105, 120) }
```

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

```
.background{ background-color: rgb(105,  
105, 120) }
```

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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