

Converting Colors

CIELCh(45, 10.157, 216.251)

Have a look what the booklet for
CIELCh(45, 10.157, 216.251)
contains.

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Color

CIELCh(45, 10.111, 215.649)

Conversions

Conversions Part 1

Format	Color
Hex	556F74
RGB	85, 111, 116
RGB Percent	33%, 44%, 45%
CMY	0.6669, 0.5650, 0.5454
CMYK	0.27, 0.04, 0.00, 0.55
HSL	190°, 15%, 39%
HSV	190°, 27%, 45%
XYZ	12.5658, 14.5417, 18.6468
YIQ	103.7960, -17.1010, -3.9570

Conversions

Conversions Part 2

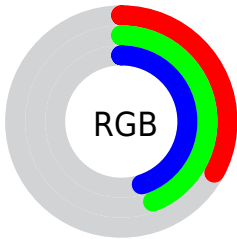
Format	Color
R_{YB}	85, 99, 116
Decimal	5599092
CIE _{Lab}	45.00, -8.22, -5.89
CIE _{LCh}	45, 10.111, 215.649
Yxy	14.5417, 0.2746, 0.3178
Android (android.graphics.Color)	4283789172 (0xFF556F74)
YUV	103.7960, 6.0166, -16.4841
Hunter-Lab	38.1336, -7.9143, -2.2985

Details

The CIELCh color **45, 10.111, 215.649** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 12.056, 35.279**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 10.337, 214.282**, and **25, 10.127, 217.079** is the 20% darker color. If you saturate the color by 10%, you get **44, 13.390, 216.099**, and if you desaturate by 10%, it is **46, 6.528, 215.363**.

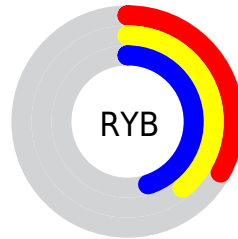
Distribution



Red (33%)

Green (44%)

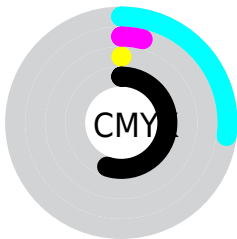
Blue (45%)



Red (33%)

Yellow (39%)

Blue (45%)

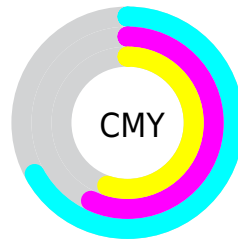


Cyan (27%)

Magenta (4%)

Yellow (0%)

Black (55%)



Cyan (67%)


Magenta (57%)


Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 10.111, 215.649 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, 10.111, 215.649 by changing the saturation by 10% instead.

 45, 10.111,
215.649


 45, 10.111,
215.649


 100, 10.111,
215.649


 35, 10.111,
215.649


 65, 10.111,
215.649


 25, 10.111,
215.649


 75, 10.111,
215.649

 15, 10.111,
215.649

 85, 10.111,
215.649

 5, 10.111, 215.649

 95, 10.111,
215.649

 0, 10.111, 215.649

 45, 10.111,

 45, 10.111,

215.649

■ 44, 13.390,
216.099

■ 43, 16.305,
216.763

■ 41, 18.803,
217.680

■ 40, 20.838,
218.904

■ 39, 22.383,
220.494

■ 39, 23.441,
222.511

■ 38, 24.119,
224.914

■ 38, 24.338,
225.691

215.649

■ 46, 6.528, 215.363

■ 48, 2.696, 215.273

■ 49, 1.332, 34.791

■ 51, 5.512, 35.014

■ 52, 9.804, 35.118

■ 54, 14.177, 35.251

■ 56, 18.604, 35.414

■ 58, 23.064, 35.601

■ 59, 27.539, 35.804

Harmonies

Complementary

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



45, 10.111, 215.649



41, 12.056, 35.279

Rectangle

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



45, 10.111, 215.649



45, 10.111, 265.649



45, 10.111, 35.649



45, 10.111, 85.649

Sweetspot

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



45, 10.111, 215.643



61, 3.950, 215.267



46, 20.244, 147.034



31, 2.820, 215.269



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 10.111, 215.643



57, 14.661, 215.898



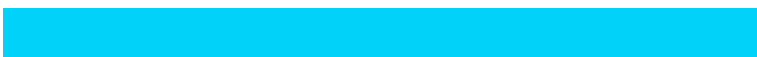
40, 12.781, 273.588



24, 2.262, 215.268



40, 25.299, 225.883



78, 42.877, 227.756

Inverse Universe

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



40, 20.139, 330.766



50, 29.795, 331.137



45, 12.923, 86.494



23, 4.256, 329.699



27, 59.443, 335.575



57, 100.117, 336.058

Previews

White Background



This preview shows how the CIE LCh color 45, 10.111, 215.649 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, 10.111, 215.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

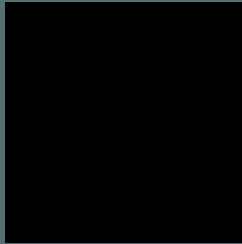
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

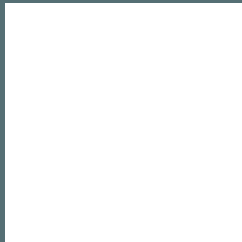
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 10.111, 215.649

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.111, 215.649.



This preview shows how white text looks on a background with the CIELCh color 45, 10.111, 215.649.

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, 10.111, 215.649

Protanopia

45, 4.181, 290.774

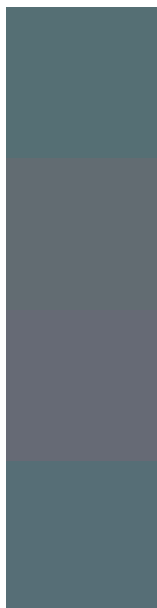
Deuteranopia

45, 9.559, 310.748



Tritanopia
45, 10.252, 230.350

Trichromacy



Original Color
45, 10.111, 215.649

Protanomaly
45, 5.239, 242.345

Deuteranomaly
45, 6.721, 277.679

Tritanomaly
45, 10.006, 227.209

Monochromacy



Original Color
45, 10.111, 215.649

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.027, 207.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.111, 215.649 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(85, 111, 116)` looks like.

```
.text, #text, p{  
    color:rgb(85, 111, 116)  
}
```

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(85, 111, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 111, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.111, 215.649 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(85, 111, 116) }
```

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

```
.border{ border-color:rgb(85, 111, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 111, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 111, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 111, 116);  
box-shadow:4px 4px 4px 4px rgb(85, 111,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.111, 215.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 111, 116) }
```

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

```
.background{ background-color: rgb(85, 111,  
116) }
```

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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