

Converting Colors

CIELCh(45, 11.653, 157.199)

Have a look what the booklet for
CIELCh(45, 11.653, 157.199)
contains.

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Color

CIELCh(45, 11.221, 158.536)

Conversions

Conversions Part 1

Format	Color
Hex	5A6F63
RGB	90, 111, 99
RGB Percent	35%, 44%, 39%
CMY	0.6457, 0.5633, 0.6104
CMYK	0.19, 0.00, 0.11, 0.56
HSL	146°, 10%, 40%
HSV	146°, 19%, 44%
XYZ	12.2392, 14.5417, 14.0505
YIQ	103.3530, -8.6640, -8.1840

Conversions

Conversions Part 2

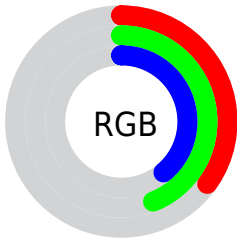
Format	Color
R _Y B	90, 105, 111
Decimal	5926755
CIE Lab	45.00, -10.44, 4.11
CIE LCh	45, 11.221, 158.536
Yxy	14.5417, 0.2997, 0.3561
Android (android.graphics.Color)	4284116835 (0xFF5A6F63)
YUV	103.3530, -2.1460, -11.7106
Hunter-Lab	38.1336, -9.4433, 4.8479

Details

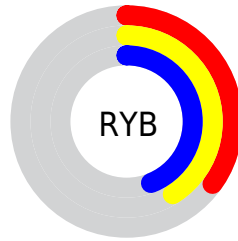
The CIELCh color $45, 11.221, 158.536$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 11.400, 341.409$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 11.409, 159.203$, and $25, 10.777, 159.916$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.126, 157.610$, and if you desaturate by 10%, it is $46, 5.268, 159.378$.

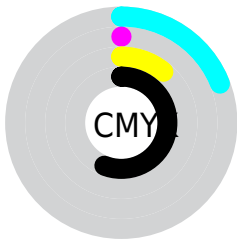
Distribution



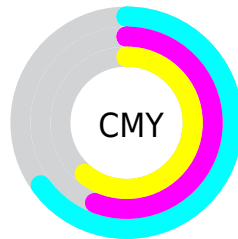
- Red (35%)
- Green (44%)
- Blue (39%)



- Red (35%)
- Yellow (41%)
- Blue (44%)



- Cyan (19%)
- Magenta (0%)
- Yellow (11%)
- Black (56%)





- Cyan (65%)
- Magenta (56%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 11.221, 158.536 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, 11.221, 158.536 by changing the saturation by 10% instead.


 45, 11.221,
158.536


 45, 11.221,
158.536


 100, 11.221,
158.536


 35, 11.221,
158.536

 65, 11.221,
158.536


 25, 11.221,
158.536

 75, 11.221,
158.536

 15, 11.221,
158.536

 85, 11.221,
158.536

 5, 11.221, 158.536

 95, 11.221,
158.536

 0, 11.221, 158.536

 45, 11.221,

 45, 11.221,

158.536

■ 44, 17.126,
157.610

■ 43, 22.900,
156.573

■ 43, 28.458,
155.402

■ 42, 33.705,
154.075

■ 42, 38.552,
152.575

■ 41, 42.923,
150.890

■ 41, 46.774,
149.019

■ 41, 50.237,
147.137

158.536

■ 46, 5.268, 159.378

■ 47, 0.673, 339.697

■ 48, 6.549, 340.694

■ 50, 12.323,
341.318

■ 51, 17.968,
341.881

■ 52, 23.467,
342.399

■ 54, 28.809,
342.878

■ 55, 33.991,
343.324

■ 57, 39.013,

■ 41, 50.622,
146.943

343.742

Harmonies

Complementary

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



45, 11.221, 158.536



41, 11.400, 341.409

Rectangle

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



45, 11.221, 158.536



45, 11.221, 208.536



45, 11.221, 338.536



45, 11.221, 28.536

Sweetspot

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



45, 11.222, 158.534



59, 4.428, 159.605



46, 12.972, 125.235



31, 2.961, 159.566



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 11.222, 158.534



57, 17.006, 158.108



45, 8.306, 191.228



23, 3.361, 159.366



44, 53.575, 146.747



86, 94.215, 145.390

Inverse Universe

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



41, 11.400, 341.409



51, 17.338, 341.814



40, 9.160, 14.047



22, 3.390, 340.603



25, 49.733, 353.998



54, 84.179, 356.089

Previews

White Background



This preview shows how the CIE LCh color 45, 11.221, 158.536 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, 11.221, 158.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

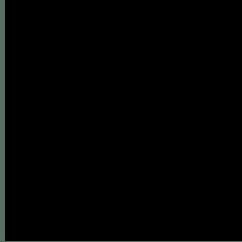
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 11.221, 158.536

Background



This preview shows how black text looks on a background with the CIELCh color 45, 11.221, 158.536.



This preview shows how white text looks on a background with the CIELCh color 45, 11.221, 158.536.

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

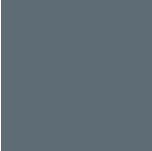
45, 11.221, 158.536

Protanopia

45, 6.176, 93.267

Deuteranopia

45, 6.485, 30.646



Tritanopia
45, 7.361, 239.498

Trichromacy



Original Color
45, 11.221, 158.536

Protanomaly
45, 6.881, 127.032

Deuteranomaly
45, 3.658, 96.381

Tritanomaly
45, 6.665, 203.846

Monochromacy



Original Color
45, 11.221, 158.536

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.466, 157.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 11.221, 158.536 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(90, 111, 99)` looks like.

```
.text, #text, p{  
    color:rgb(90, 111, 99)  
}
```

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(90, 111, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 111, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 11.221, 158.536 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(90, 111, 99) }
```

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

```
.border{ border-color:rgb(90, 111, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 111, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 111, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 111, 99);  
box-shadow:4px 4px 4px 4px rgb(90, 111,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 11.221, 158.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 111, 99) }
```

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

```
.background{ background-color: rgb(90, 111,  
99) }
```

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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