

Converting Colors

CIELCh(45, 4.626, 190.462)

Have a look what the booklet for
CIELCh(45, 4.626, 190.462) contains.

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Color

CIELCh(45, 4.844, 191.810)

Conversions

Conversions Part 1

Format	Color
Hex	616D6C
RGB	97, 109, 108
RGB Percent	38%, 43%, 42%
CMY	0.6199, 0.5728, 0.5767
CMYK	0.11, 0.00, 0.01, 0.57
HSL	175°, 6%, 40%
HSV	175°, 11%, 43%
XYZ	13.0871, 14.5417, 16.2854
YIQ	105.2980, -6.8310, -2.8550

Conversions

Conversions Part 2

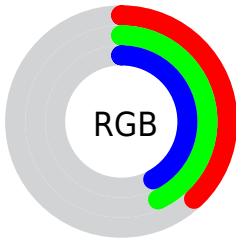
Format	Color
RYB	97, 103, 109
Decimal	6385004
CIELab	45.00, -4.74, -0.99
CIELCh	45, 4.844, 191.810
Yxy	14.5417, 0.2980, 0.3311
Android (android.graphics.Color)	4284575084 (0xFF616D6C)
YUV	105.2980, 1.3321, -7.2773
Hunter-Lab	38.1336, -5.4741, 1.3730

Details

The CIELCh color **45, 4.844, 191.810** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 5.122, 13.282**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 4.547, 192.065**, and **25, 4.845, 190.773** is the 20% darker color. If you saturate the color by 10%, you get **44, 9.039, 191.065**, and if you desaturate by 10%, it is **46, 0.454, 193.188**.

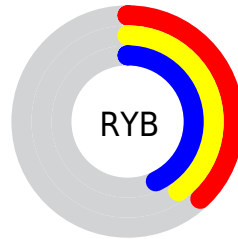
Distribution



Red (38%)

Green (43%)

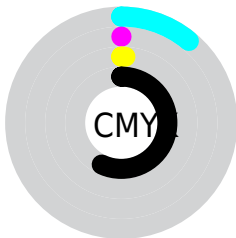
Blue (42%)



Red (38%)

Yellow (40%)

Blue (43%)

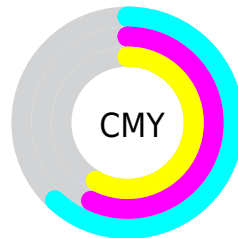


Cyan (11%)

Magenta (0%)

Yellow (1%)

Black (57%)



Cyan (62%)

Magenta (57%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.844, 191.810 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, 4.844, 191.810 by changing the saturation by 10% instead.

■ 45, 4.844, 191.810	■ 45, 4.844, 191.810
■ 100, 4.844, 191.810	■ 35, 4.844, 191.810
■ 65, 4.844, 191.810	■ 25, 4.844, 191.810
■ 75, 4.844, 191.810	■ 15, 4.844, 191.810
■ 85, 4.844, 191.810	■ 5, 4.844, 191.810
■ 95, 4.844, 191.810	■ 0, 4.844, 191.810

■ 45, 4.844, 191.810	■ 45, 4.844, 191.810
■ 44, 9.039, 191.065	■ 46, 0.454, 193.188
■ 43, 12.974, 190.350	■ 47, 4.078, 13.036

■ 43, 16.582,
189.635

■ 48, 8.699, 13.772

■ 42, 19.799,
188.910

■ 49, 13.372, 14.473

■ 42, 22.566,
188.169

■ 50, 18.061, 15.159

■ 42, 24.840,
187.399

■ 53, 27.396, 16.495

■ 41, 26.599,
186.589

■ 54, 32.008, 17.145

■ 41, 27.849,
185.723

■ 56, 36.568, 17.780

■ 41, 28.774,
184.943

Harmonies

Complementary

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



45, 4.844, 191.810



42, 5.122, 13.282

Rectangle

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



45, 4.844, 191.810



45, 4.844, 241.810



45, 4.844, 11.810



45, 4.844, 61.810

Sweetspot

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



45, 4.845, 191.799



59, 1.670, 192.533



45, 8.480, 141.191



30, 1.256, 192.439



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 4.845, 191.799



58, 7.105, 191.623



44, 4.018, 245.133



22, 2.446, 191.960



44, 30.351, 184.856



87, 52.492, 184.229

Inverse Universe

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



42, 5.122, 13.282



54, 7.603, 13.498



44, 4.189, 62.773



21, 2.559, 13.093



23, 54.819, 34.206



51, 97.921, 37.357

Previews

White Background



This preview shows how the CIELCh color 45, 4.844, 191.810 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, 4.844, 191.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

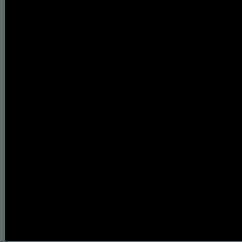
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

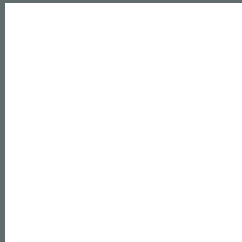
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 4.844, 191.810

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.844, 191.810.

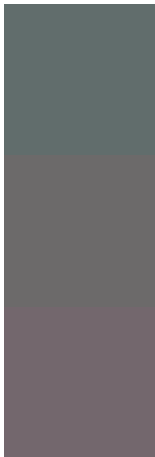


This preview shows how white text looks on a background with the CIELCh color 45, 4.844, 191.810.

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, 4.844, 191.810

Protanopia

45, 0.824, 19.084

Deuteranopia

45, 6.122, 344.437



Tritanopia
45, 6.075, 251.105

Trichromacy



Original Color

45, 4.844, 191.810

Protanomaly

45, 1.220, 199.545

Deuteranomaly

45, 2.701, 317.395

Tritanomaly

45, 4.877, 236.921

Monochromacy



Original Color

45, 4.844, 191.810

Achromatopsia

44, 0.006, 296.813

Achromatomaly

44, 1.626, 199.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.844, 191.810 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(97, 109, 108)` looks like.

```
.text, #text, p{  
    color:rgb(97, 109, 108)  
}
```

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(97, 109, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 109, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.844, 191.810 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(97, 109, 108) }
```

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

```
.border{ border-color:rgb(97, 109, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 109, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 109, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 109, 108);  
box-shadow:4px 4px 4px 4px rgb(97, 109,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.844, 191.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 109, 108) }
```

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

```
.background{ background-color: rgb(97, 109,  
108) }
```

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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