

Converting Colors

CIELCh(45, 10.619, 323.239)

Have a look what the booklet for
CIELCh(45, 10.619, 323.239)
contains.

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Color

CIELCh(45, 10.618, 323.243)

Conversions

Conversions Part 1

Format	Color
Hex	746675
RGB	116, 102, 117
RGB Percent	45%, 40%, 46%
CMY	0.5445, 0.5994, 0.5406
CMYK	0.01, 0.13, 0.00, 0.54
HSL	296°, 7%, 43%
HSV	296°, 13%, 46%
XYZ	15.2069, 14.5417, 18.8801
YIQ	107.8960, 3.5290, 7.6330

Conversions

Conversions Part 2

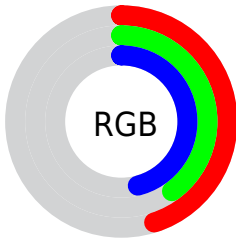
Format	Color
R_{YB}	116, 102, 117
Decimal	7628405
CIE Lab	45.00, 8.51, -6.35
CIE LCh	45, 10.618, 323.243
Yxy	14.5417, 0.3127, 0.2990
Android (android.graphics.Color)	4285818485 (0xFF746675)
YUV	107.8960, 4.4883, 7.1072
Hunter-Lab	38.1336, 4.4483, -2.6612

Details

The CIELCh color $45, 10.618, 323.243$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 10.588, 141.988$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 10.588, 323.209$, and $25, 10.873, 323.403$ is the 20% darker color. If you saturate the color by 10%, you get $42, 18.982, 323.730$, and if you desaturate by 10%, it is $48, 2.313, 322.707$.

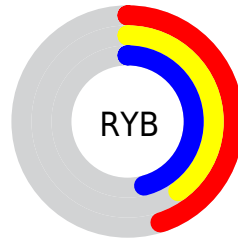
Distribution



Red (45%)

Green (40%)

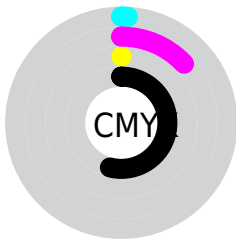
Blue (46%)



Red (45%)

Yellow (40%)

Blue (46%)

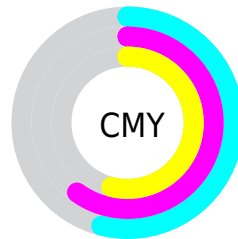


Cyan (1%)

Magenta (13%)

Yellow (0%)

Black (54%)



Cyan (54%)


Magenta (60%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 10.618, 323.243 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, 10.618, 323.243 by changing the saturation by 10% instead.


 45, 10.618,
323.243


 45, 10.618,
323.243


 100, 10.618,
323.243


 35, 10.618,
323.243

 65, 10.618,
323.243


 25, 10.618,
323.243

 75, 10.618,
323.243

 15, 10.618,
323.243

 85, 10.618,
323.243

 5, 10.618, 323.243

 95, 10.618,
323.243

 0, 10.618, 323.243

 45, 10.618,

 45, 10.618,

323.243

42, 18.982,
323.730

39, 27.292,
324.200

36, 35.379,
324.641

33, 43.018,
325.035

31, 49.933,
325.363

29, 55.814,
325.603

27, 60.375,
325.734

26, 63.445,
325.746

323.243

48, 2.313, 322.707

52, 5.852, 142.335

55, 13.830,
141.863

59, 21.596,
141.423

62, 29.138,
141.008

66, 36.453,
140.618

69, 43.546,
140.255

73, 50.425,
139.916

■ 25, 65.290,
325.729

■ 76, 57.098,
139.602

Harmonies

Complementary

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



45, 10.618, 323.243



48, 10.588, 141.988

Rectangle

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



45, 10.618, 323.243



45, 10.618, 13.243



45, 10.618, 143.243



45, 10.618, 193.243

Sweetspot

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



45, 10.616, 323.243



62, 4.105, 322.792



44, 8.398, 288.717



31, 2.901, 322.828



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, 10.616, 323.243



57, 15.497, 323.370



45, 8.000, 341.159



23, 4.660, 323.055



27, 67.375, 325.718



56, 114.258, 325.581

Inverse Universe

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



45, 6.348, 14.802



56, 9.333, 15.040



48, 7.908, 159.281



23, 2.758, 14.464



24, 57.218, 35.313



52, 100.342, 38.054

Previews

White Background



This preview shows how the CIELCh color 45, 10.618, 323.243 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, 10.618, 323.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

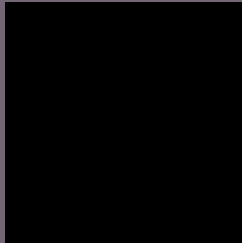
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 10.618, 323.243

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.618, 323.243.



This preview shows how white text looks on a background with the CIELCh color 45, 10.618, 323.243.

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, 10.618, 323.243

Protanopia

45, 7.762, 288.389

Deuteranopia

45, 8.433, 313.424



Tritanopia
45, 6.874, 336.332

Trichromacy



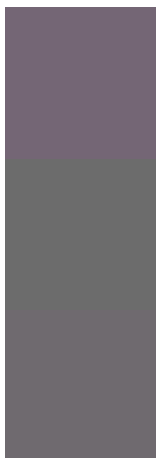
Original Color
45, 10.618, 323.243

Protanomaly
45, 7.948, 302.706

Deuteranomaly
45, 9.493, 318.866

Tritanomaly
45, 7.739, 329.965

Monochromacy



Original Color
45, 10.618, 323.243

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 3.630, 324.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.618, 323.243 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(116, 102, 117)` looks like.

```
.text, #text, p{  
    color:rgb(116, 102, 117)  
}
```

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(116, 102, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 102, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.618, 323.243 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(116, 102, 117) }
```

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

```
.border{ border-color:rgb(116, 102, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 102, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 102, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 102, 117);  
box-shadow:4px 4px 4px 4px rgb(116, 102,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.618, 323.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 102, 117) }
```

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

```
.background{ background-color: rgb(116,  
102, 117) }
```

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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