

Converting Colors

CIELCh(45, 10.531, 233.304)

Have a look what the booklet for
CIELCh(45, 10.531, 233.304)
contains.

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Color

CIELCh(45, 10.525, 233.340)

Conversions

Conversions Part 1

Format	Color
Hex	566E78
RGB	86, 110, 120
RGB Percent	34%, 43%, 47%
CMY	0.6620, 0.5679, 0.5286
CMYK	0.28, 0.08, 0.00, 0.53
HSL	198°, 16%, 40%
HSV	198°, 28%, 47%
XYZ	12.8539, 14.5417, 19.9610
YIQ	103.9640, -17.5140, -1.9780

Conversions

Conversions Part 2

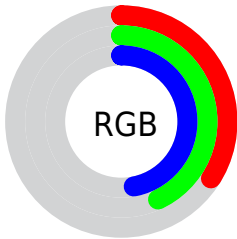
Format	Color
R_{YB}	86, 100, 120
Decimal	5664376
CIE _{Lab}	45.00, -6.28, -8.44
CIE _{LCh}	45, 10.525, 233.340
Yxy	14.5417, 0.2714, 0.3071
Android (android.graphics.Color)	4283854456 (0xFF566E78)
YUV	103.9640, 7.9057, -15.7544
Hunter-Lab	38.1336, -6.5656, -4.3418

Details

The CIELCh color **45, 10.525, 233.340** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 12.383, 49.261**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 10.343, 231.428**, and **25, 10.693, 236.684** is the 20% darker color. If you saturate the color by 10%, you get **43, 13.826, 234.672**, and if you desaturate by 10%, it is **47, 6.979, 232.284**.

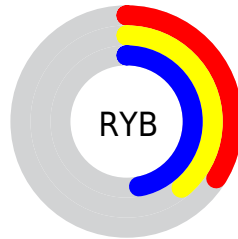
Distribution



Red (34%)

Green (43%)

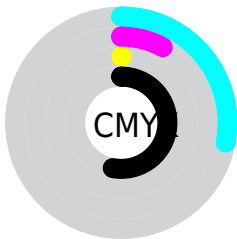
Blue (47%)



Red (34%)

Yellow (39%)

Blue (47%)

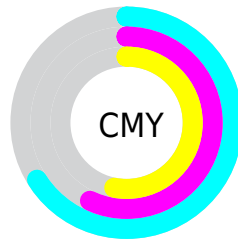


Cyan (28%)

Magenta (8%)

Yellow (0%)

Black (53%)



Cyan (66%)


Magenta (57%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 10.525, 233.340 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, 10.525, 233.340 by changing the saturation by 10% instead.


 45, 10.525,
233.340


 45, 10.525,
233.340


 100, 10.525,
233.340


 35, 10.525,
233.340

 65, 10.525,
233.340


 25, 10.525,
233.340

 75, 10.525,
233.340

 15, 10.525,
233.340


 85, 10.525,
233.340

 5, 10.525, 233.340

 95, 10.525,
233.340

 0, 10.525, 233.340

 45, 10.525,

 45, 10.525,

233.340

233.340

■ 43, 13.826,
234.672

■ 47, 6.979, 232.284

■ 41, 16.841,
236.356

■ 49, 3.233, 231.498

■ 40, 19.532,
238.462

■ 51, 0.674, 50.202

■ 38, 21.876,
241.069

■ 53, 4.706, 50.119

■ 37, 23.876,
244.253

■ 55, 8.831, 49.738

■ 35, 25.567,
248.064

■ 57, 13.025, 49.423

■ 34, 27.103,
252.266

■ 59, 17.266, 49.172

■ 34, 27.378,
252.949

■ 61, 21.536, 48.974

■ 64, 25.821, 48.818

Harmonies

Complementary

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



45, 10.525, 233.340



43, 12.383, 49.261

Rectangle

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



45, 10.525, 233.340



45, 10.525, 283.340



45, 10.525, 53.340



45, 10.525, 103.340

Sweetspot

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



45, 10.525, 233.335



62, 3.852, 231.492



47, 19.990, 151.510



32, 2.752, 231.575



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, 10.525, 233.335



56, 15.327, 234.173



40, 16.382, 283.157



25, 2.225, 231.548



35, 28.197, 253.169



69, 48.579, 256.075

Inverse Universe

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



41, 20.019, 335.967



50, 29.670, 336.464



48, 15.946, 96.193



24, 4.012, 334.600



27, 54.969, 343.757



56, 91.621, 344.868

Previews

White Background



This preview shows how the CIE LCh color 45, 10.525, 233.340 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, 10.525, 233.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

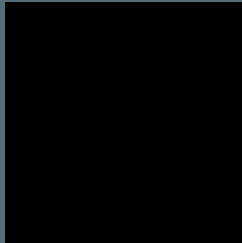
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

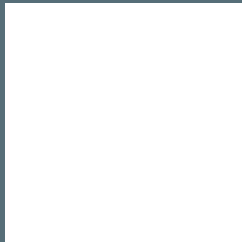
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 10.525, 233.340

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.525, 233.340.



This preview shows how white text looks on a background with the CIELCh color 45, 10.525, 233.340.

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, 10.525, 233.340

Protanopia

45, 7.174, 291.191

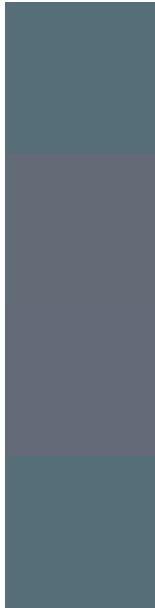
Deuteranopia

45, 10.967, 301.862



Tritanopia
45, 10.252, 230.350

Trichromacy



Original Color
45, 10.525, 233.340

Protanomaly
45, 7.346, 262.939

Deuteranomaly
45, 9.116, 279.303

Tritanomaly
45, 10.252, 230.350

Monochromacy



Original Color
45, 10.525, 233.340

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.937, 236.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.525, 233.340 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(86, 110, 120)` looks like.

```
.text, #text, p{  
    color:rgb(86, 110, 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(86, 110, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 110, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.525, 233.340 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(86, 110, 120) }
```

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

```
.border{ border-color:rgb(86, 110, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 110, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 110, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 110, 120);  
box-shadow:4px 4px 4px 4px rgb(86, 110,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.525, 233.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 110, 120) }
```

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

```
.background{ background-color: rgb(86, 110,  
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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