

Converting Colors

CIELCh(45, 13.263, 232.169)

Have a look what the booklet for
CIELCh(45, 13.263, 232.169)
contains.

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Color

CIELCh(45, 13.516, 233.657)

Conversions

Conversions Part 1

Format	Color
Hex	4F6F7C
RGB	79, 111, 124
RGB Percent	31%, 44%, 49%
CMY	0.6894, 0.5639, 0.5130
CMYK	0.36, 0.10, 0.00, 0.51
HSL	197°, 22%, 40%
HSV	197°, 36%, 49%
XYZ	12.5964, 14.5417, 21.2770
YIQ	102.9140, -23.2450, -2.7410

Conversions

Conversions Part 2

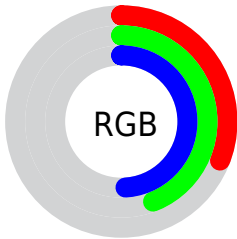
Format	Color
RYB	79, 98, 124
Decimal	5205884
CIELab	45.00, -8.01, -10.89
CIELCh	45, 13.516, 233.657
Yxy	14.5417, 0.2602, 0.3004
Android (android.graphics.Color)	4283395964 (0xFF4F6F7C)
YUV	102.9140, 10.3954, -20.9726
Hunter-Lab	38.1336, -7.7712, -6.3879

Details

The CIELCh color $45, 13.516, 233.657$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 16.821, 48.383$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 13.588, 233.752$, and $25, 13.409, 234.465$ is the 20% darker color. If you saturate the color by 10%, you get $43, 16.661, 235.239$, and if you desaturate by 10%, it is $47, 10.078, 232.401$.

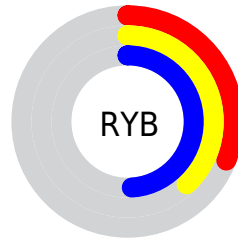
Distribution



Red (31%)

Green (44%)

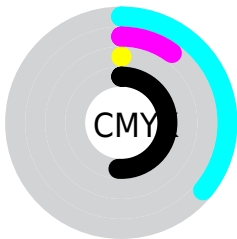
Blue (49%)



Red (31%)

Yellow (38%)

Blue (49%)

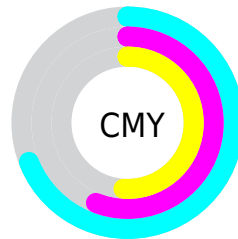


Cyan (36%)

Magenta (10%)

Yellow (0%)

Black (51%)



Cyan (69%)


Magenta (56%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.516, 233.657 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, 13.516, 233.657 by changing the saturation by 10% instead.


 45, 13.516,
233.657


 45, 13.516,
233.657


 100, 13.516,
233.657


 35, 13.516,
233.657


 65, 13.516,
233.657


 25, 13.516,
233.657

 75, 13.516,
233.657

 15, 13.516,
233.657

 85, 13.516,
233.657

 5, 13.516, 233.657

 95, 13.516,
233.657

 0, 13.516, 233.657

 45, 13.516,

 45, 13.516,

233.657

233.657

■ 43, 16.661,
235.239

■ 47, 10.078,
232.401

■ 41, 19.473,
237.230

■ 49, 6.395, 231.425

■ 40, 21.924,
239.707

■ 51, 2.509, 230.727

■ 53, 1.536, 49.732

■ 38, 24.010,
242.749

■ 55, 5.705, 49.419

■ 37, 25.758,
246.416

■ 57, 9.966, 49.066

■ 59, 14.294, 48.781

■ 35, 27.276,
250.620

■ 61, 18.666, 48.557

■ 35, 27.867,
252.156

■ 64, 23.066, 48.383

Harmonies

Complementary

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



45, 13.516, 233.657



42, 16.821, 48.383

Rectangle

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



45, 13.516, 233.657



45, 13.516, 283.657



45, 13.516, 53.657



45, 13.516, 103.657

Sweetspot

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



45, 13.516, 233.654



63, 5.406, 231.035



48, 26.218, 150.738



33, 3.652, 231.114



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 13.516, 233.654



56, 19.282, 234.854



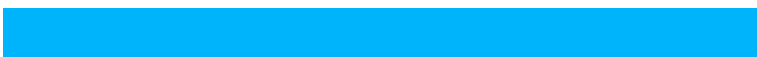
38, 21.801, 284.553



25, 2.226, 230.886



35, 27.995, 252.189



69, 48.180, 255.079

Inverse Universe

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



40, 26.375, 336.358



48, 38.373, 336.980



48, 21.009, 95.244



24, 4.027, 334.390



27, 55.152, 343.398



56, 91.933, 344.479

Previews

White Background



This preview shows how the CIE LCh color 45, 13.516, 233.657 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, 13.516, 233.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

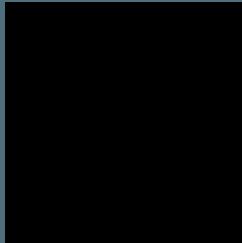
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

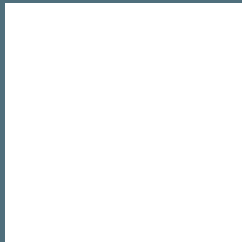
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 13.516, 233.657

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.516, 233.657.



This preview shows how white text looks on a background with the CIELCh color 45, 13.516, 233.657.

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, 13.516, 233.657

Protanopia

45, 8.967, 288.965

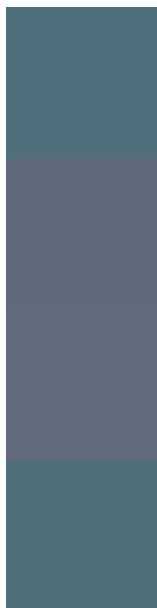
Deuteranopia

45, 13.225, 296.953



Tritanopia
45, 13.159, 222.443

Trichromacy



Original Color
45, 13.516, 233.657

Protanomaly
45, 9.909, 264.324

Deuteranomaly
45, 11.267, 272.310

Tritanomaly
45, 13.341, 224.966

Monochromacy



Original Color
45, 13.516, 233.657

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 5.512, 232.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.516, 233.657 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(79, 111, 124)` looks like.

```
.text, #text, p{  
    color:rgb(79, 111, 124)  
}
```

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(79, 111, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 111, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.516, 233.657 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(79, 111, 124) }
```

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

```
.border{ border-color:rgb(79, 111, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 111, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 111, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 111, 124);  
box-shadow:4px 4px 4px 4px rgb(79, 111,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.516, 233.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 111, 124) }
```

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

```
.background{ background-color: rgb(79, 111,  
124) }
```

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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