

Converting Colors

CIELCh(45, 14.638, 237.864)

Have a look what the booklet for
CIELCh(45, 14.638, 237.864)
contains.

CIELCh(45, 14.665, 239.354)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 14.665, 239.354)

Conversions

Conversions Part 1

Format	Color
Hex	4E6F7F
RGB	78, 111, 127
RGB Percent	31%, 44%, 50%
CMY	0.6938, 0.5644, 0.5017
CMYK	0.39, 0.13, 0.00, 0.50
HSL	200°, 24%, 40%
HSV	200°, 39%, 50%
XYZ	12.6758, 14.5417, 22.2426
YIQ	102.9570, -24.8040, -2.0200

Conversions

Conversions Part 2

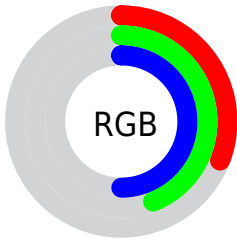
Format	Color
RYB	78, 98, 127
Decimal	5140351
CIELab	45.00, -7.48, -12.62
CIELCh	45, 14.665, 239.354
Yxy	14.5417, 0.2563, 0.2940
Android (android.graphics.Color)	4283330431 (0xFF4E6F7F)
YUV	102.9570, 11.8532, -21.8873
Hunter-Lab	38.1336, -7.3994, -7.8893

Details

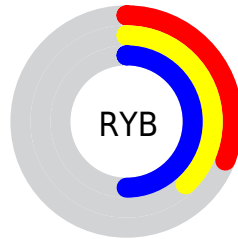
The CIELCh color $45, 14.665, 239.354$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $43, 18.220, 52.291$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 14.715, 238.831$, and $25, 14.737, 240.612$ is the 20% darker color. If you saturate the color by 10%, you get $43, 17.899, 241.256$, and if you desaturate by 10%, it is $47, 11.158, 237.819$.

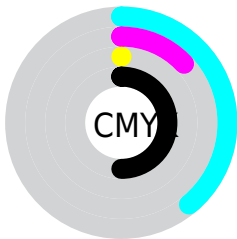
Distribution



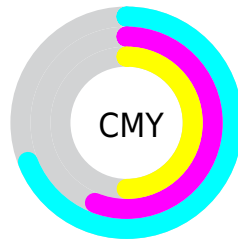
- Red (31%)
- Green (44%)
- Blue (50%)



- Red (31%)
- Yellow (38%)
- Blue (50%)



- Cyan (39%)
- Magenta (13%)
- Yellow (0%)
- Black (50%)





- Cyan (69%)
- Magenta (56%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 14.665, 239.354 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, 14.665, 239.354 by changing the saturation by 10% instead.


 45, 14.665,
239.354


 45, 14.665,
239.354


 100, 14.665,
239.354


 35, 14.665,
239.354

 65, 14.665,
239.354


 25, 14.665,
239.354

 75, 14.665,
239.354

 15, 14.665,
239.354


 85, 14.665,
239.354

 5, 14.665, 239.354

 95, 14.665,
239.354

 0, 14.665, 239.354

 45, 14.665,

 45, 14.665,

239.354

239.354

■ 43, 17.899,
241.256

■ 47, 11.158,
237.819

■ 41, 20.830,
243.610

■ 49, 7.420, 236.595

■ 39, 23.441,
246.489

■ 51, 3.490, 235.650

■ 54, 0.593, 54.150

■ 38, 25.745,
249.962

■ 56, 4.793, 54.019

■ 36, 27.788,
254.054

■ 58, 9.082, 53.525

■ 60, 13.434, 53.107

■ 34, 29.726,
258.506

■ 63, 17.829, 52.762

■ 34, 30.018,
259.114

■ 65, 22.249, 52.476

Harmonies

Complementary

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



45, 14.665, 239.354



43, 18.220, 52.291

Rectangle

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



45, 14.665, 239.354



45, 14.665, 289.354



45, 14.665, 59.354



45, 14.665, 109.354

Sweetspot

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



45, 14.665, 239.351



65, 6.037, 235.967



49, 27.662, 151.769



34, 4.028, 236.063



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 14.665, 239.351



56, 21.173, 240.951



38, 24.718, 286.875



26, 2.302, 235.693



34, 30.096, 259.133



0, 0.000, 0.000

Inverse Universe

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



40, 27.843, 338.228



49, 40.908, 338.984



50, 23.485, 97.094



25, 4.056, 335.952



27, 54.652, 346.120



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 14.665, 239.354 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, 14.665, 239.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

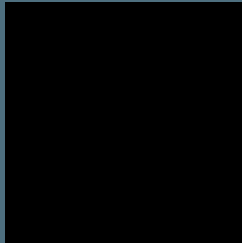
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 14.665, 239.354

Background



This preview shows how black text looks on a background with the CIELCh color 45, 14.665, 239.354.



This preview shows how white text looks on a background with the CIELCh color 45, 14.665, 239.354.

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, 14.665, 239.354

Protanopia

45, 10.769, 287.621

Deuteranopia

45, 14.961, 293.684



Tritanopia
45, 13.447, 221.864

Trichromacy



Original Color
45, 14.665, 239.354

Protanomaly
45, 11.106, 265.770

Deuteranomaly
45, 13.149, 272.349

Tritanomaly
45, 13.819, 226.766

Monochromacy



Original Color
45, 14.665, 239.354

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 5.830, 237.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 14.665, 239.354 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(78, 111, 127)` looks like.

```
.text, #text, p{  
    color:rgb(78, 111, 127)  
}
```

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(78, 111, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 111, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 14.665, 239.354 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(78, 111, 127) }
```

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

```
.border{ border-color:rgb(78, 111, 127) }
```

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

Here you see how a box with a 4 pixel rgb(78, 111, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 111, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 111, 127);  
box-shadow:4px 4px 4px 4px rgb(78, 111,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 14.665, 239.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 111, 127) }
```

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

```
.background{ background-color: rgb(78, 111,  
127) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor