

Converting Colors

CIELCh(45, 13.470, 216.273)

Have a look what the booklet for
CIELCh(45, 13.470, 216.273)
contains.

CIELCh(45, 13.470, 216.273)	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, 13.470, 216.273)

Conversions

Conversions Part 1

Format	Color
Hex	4C7077
RGB	76, 112, 119
RGB Percent	30%, 44%, 47%
CMY	0.7008, 0.5596, 0.5322
CMYK	0.36, 0.06, 0.00, 0.53
HSL	190°, 22%, 38%
HSV	190°, 36%, 47%
XYZ	12.1787, 14.5417, 19.7123
YIQ	102.0340, -23.7030, -5.4550

Conversions

Conversions Part 2

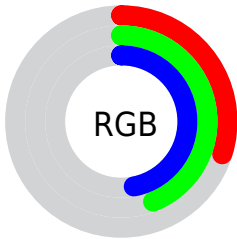
Format	Color
R_{YB}	76, 96, 119
Decimal	5009527
CIE _{Lab}	45.00, -10.86, -7.97
CIE _{LCh}	45, 13.470, 216.273
Yxy	14.5417, 0.2623, 0.3132
Android (android.graphics.Color)	4283199607 (0xFF4C7077)
YUV	102.0340, 8.3642, -22.8318
Hunter-Lab	38.1336, -9.7266, -3.9552

Details

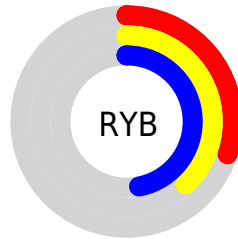
The CIELCh color **45, 13.470, 216.273** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 17.258, 35.747**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.395, 215.374**, and **25, 13.373, 217.902** is the 20% darker color. If you saturate the color by 10%, you get **44, 16.476, 216.934**, and if you desaturate by 10%, it is **46, 10.096, 215.813**.

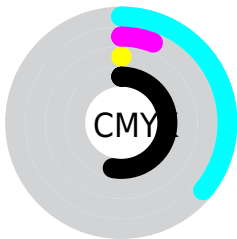
Distribution



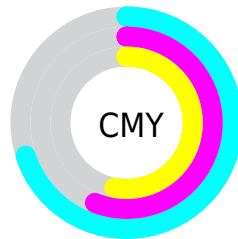
- Red (30%)
- Green (44%)
- Blue (47%)



- Red (30%)
- Yellow (38%)
- Blue (47%)



- Cyan (36%)
- Magenta (6%)
- Yellow (0%)
- Black (53%)





- Cyan (70%)
- Magenta (56%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.470, 216.273 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, 13.470, 216.273 by changing the saturation by 10% instead.


 45, 13.470,
216.273


 45, 13.470,
216.273


 100, 13.470,
216.273


 35, 13.470,
216.273

 65, 13.470,
216.273


 25, 13.470,
216.273

 75, 13.470,
216.273

 15, 13.470,
216.273

 85, 13.470,
216.273

 5, 13.470, 216.273

 95, 13.470,
216.273

 0, 13.470, 216.273

 45, 13.470,

 45, 13.470,

216.273

■ 44, 16.476,
216.934

■ 43, 19.056,
217.853

■ 42, 21.164,
219.080

■ 41, 22.772,
220.676

■ 40, 23.879,
222.702

■ 39, 24.574,
225.149

■ 39, 24.836,
226.117

216.273

■ 46, 10.096,
215.813

■ 48, 6.413, 215.534

■ 49, 2.480, 215.456

■ 51, 1.652, 35.008

■ 52, 5.936, 35.184

■ 54, 10.333, 35.285

■ 56, 14.810, 35.416

■ 58, 19.341, 35.577

■ 59, 23.905, 35.761

Harmonies

Complementary

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



45, 13.470, 216.273



39, 17.258, 35.747

Rectangle

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



45, 13.470, 216.273



45, 13.470, 266.273



45, 13.470, 36.273



45, 13.470, 86.273

Sweetspot

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



45, 13.470, 216.269



62, 5.532, 215.462



46, 27.873, 146.202



32, 3.736, 215.474



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, 13.470, 216.269



57, 19.293, 216.785



39, 17.750, 275.331



24, 2.259, 215.446



40, 25.296, 226.208



78, 42.879, 228.100

Inverse Universe

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



38, 27.676, 331.397



47, 40.699, 331.897



45, 18.012, 85.284



23, 4.251, 329.751



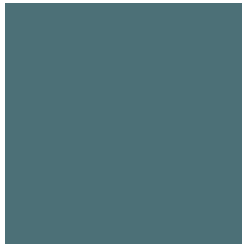
27, 59.375, 335.659



57, 99.996, 336.148

Previews

White Background



This preview shows how the CIELCh color 45, 13.470, 216.273 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, 13.470, 216.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

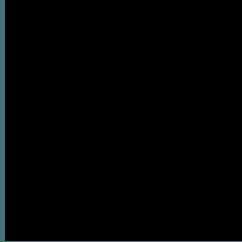
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.470, 216.273

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.470, 216.273.



This preview shows how white text looks on a background with the CIELCh color 45, 13.470, 216.273.

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, 13.470, 216.273

Protanopia

45, 5.980, 291.027

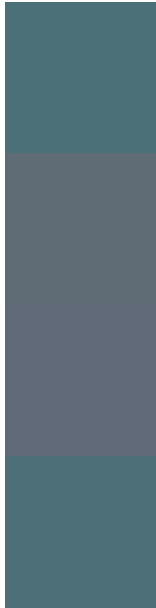
Deuteranopia

45, 11.064, 303.867



Tritanopia
45, 13.447, 221.864

Trichromacy



Original Color
45, 13.470, 216.273

Protanomaly
45, 7.229, 247.244

Deuteranomaly
45, 8.957, 268.847

Tritanomaly
45, 13.296, 219.323

Monochromacy



Original Color
45, 13.470, 216.273

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 5.254, 212.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.470, 216.273 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(76, 112, 119)` looks like.

```
.text, #text, p{  
    color:rgb(76, 112, 119)  
}
```

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(76, 112, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 112, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.470, 216.273 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(76, 112, 119) }
```

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

```
.border{ border-color:rgb(76, 112, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 112, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 112, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 112, 119);  
box-shadow:4px 4px 4px 4px rgb(76, 112,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.470, 216.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 112, 119) }
```

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

```
.background{ background-color: rgb(76, 112,  
119) }
```

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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