

Converting Colors

CIELCh(45, 18.021, 174.957)

Have a look what the booklet for
CIELCh(45, 18.021, 174.957)
contains.

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Color

CIELCh(45, 18.291, 174.224)

Conversions

Conversions Part 1

Format	Color
Hex	477367
RGB	71, 115, 103
RGB Percent	28%, 45%, 40%
CMY	0.7221, 0.5495, 0.5966
CMYK	0.38, 0.00, 0.10, 0.55
HSL	164°, 24%, 36%
HSV	164°, 38%, 45%
XYZ	11.1457, 14.5417, 15.0165
YIQ	100.4760, -22.3720, -13.0600

Conversions

Conversions Part 2

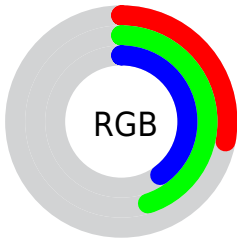
Format	Color
R_{YB}	71, 96, 115
Decimal	4682599
CIE _{Lab}	45.00, -18.20, 1.84
CIE _{LCh}	45, 18.291, 174.224
Yxy	14.5417, 0.2738, 0.3573
Android (android.graphics.Color)	4282872679 (0xFF477367)
YUV	100.4760, 1.2443, -25.8505
Hunter-Lab	38.1336, -14.5620, 3.3459

Details

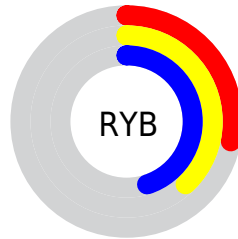
The CIELCh color **45, 18.291, 174.224** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 20.633, 2.194**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 18.334, 174.551**, and **25, 18.656, 173.461** is the 20% darker color. If you saturate the color by 10%, you get **44, 22.495, 173.070**, and if you desaturate by 10%, it is **46, 13.781, 175.284**.

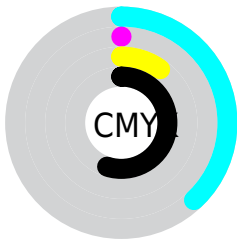
Distribution



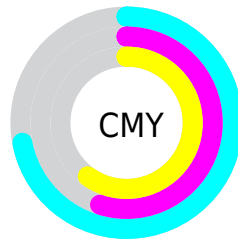
- Red (28%)
- Green (45%)
- Blue (40%)



- Red (28%)
- Yellow (38%)
- Blue (45%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (55%)




- Cyan (72%)
- Magenta (55%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.291, 174.224 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, 18.291, 174.224 by changing the saturation by 10% instead.

 45, 18.291,
174.224


 45, 18.291,
174.224


 100, 18.291,
174.224


 35, 18.291,
174.224

 65, 18.291,
174.224


 25, 18.291,
174.224

 75, 18.291,
174.224

 15, 18.291,
174.224


 85, 18.291,
174.224

 5, 18.291, 174.224

 95, 18.291,
174.224

 0, 18.291, 174.224

 45, 18.291,

 45, 18.291,

174.224

174.224

■ 44, 22.495,
173.070

■ 46, 13.781,
175.284

■ 44, 26.317,
171.807

■ 47, 9.040, 176.277

■ 43, 29.695,
170.413

■ 48, 4.140, 177.236

■ 49, 0.855, 357.642

■ 43, 32.582,
168.867

■ 50, 5.893, 358.785

■ 43, 34.964,
167.150

■ 51, 10.928,
359.591

■ 43, 36.991,
165.352

■ 52, 15.928, 0.347

■ 54, 20.866, 1.069

■ 43, 37.336,
165.064

■ 55, 25.726, 1.761

Harmonies

Complementary

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



45, 18.291, 174.224



35, 20.633, 2.194

Rectangle

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



45, 18.291, 174.224



45, 18.291, 224.224



45, 18.291, 354.224



45, 18.291, 44.224

Sweetspot

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



45, 18.292, 174.222



61, 6.827, 176.948



45, 29.127, 134.444



32, 4.618, 176.849



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, 18.292, 174.222



57, 26.805, 173.200



42, 13.424, 223.692



24, 2.854, 177.163



45, 39.160, 164.910



88, 67.637, 163.667

Inverse Universe

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



35, 20.633, 2.194



43, 31.136, 3.676



38, 17.335, 40.960



23, 2.933, 358.627



25, 50.986, 21.298



53, 88.238, 24.706

Previews

White Background



This preview shows how the CIELCh color 45, 18.291, 174.224 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, 18.291, 174.224 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, 18.291, 174.224

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.291, 174.224.



This preview shows how white text looks on a background with the CIELCh color 45, 18.291, 174.224.

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, 18.291, 174.224

Protanopia

45, 5.040, 89.815

Deuteranopia

45, 5.567, 7.742



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 18.291, 174.224

Protanomaly
45, 7.620, 153.820

Deuteranomaly
45, 3.393, 167.234

Tritanomaly
45, 14.565, 200.161

Monochromacy



Original Color
45, 18.291, 174.224

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 6.925, 178.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.291, 174.224 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(71, 115, 103)` looks like.

```
.text, #text, p{  
    color:rgb(71, 115, 103)  
}
```

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(71, 115, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 115, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.291, 174.224 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(71, 115, 103) }
```

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

```
.border{ border-color:rgb(71, 115, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 115, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 115, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 115, 103);  
box-shadow:4px 4px 4px 4px rgb(71, 115,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.291, 174.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 115, 103) }
```

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

```
.background{ background-color: rgb(71, 115,  
103) }
```

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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