

Converting Colors

CIELCh(45, 17.248, 172.562)

Have a look what the booklet for
CIELCh(45, 17.248, 172.562)
contains.

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Color

CIELCh(45, 17.098, 172.627)

Conversions

Conversions Part 1

Format	Color
Hex	4A7266
RGB	74, 114, 102
RGB Percent	29%, 45%, 40%
CMY	0.7086, 0.5517, 0.5988
CMYK	0.35, 0.00, 0.11, 0.55
HSL	162°, 21%, 37%
HSV	162°, 35%, 45%
XYZ	11.3161, 14.5417, 14.8630
YIQ	100.6720, -19.9880, -12.2120

Conversions

Conversions Part 2

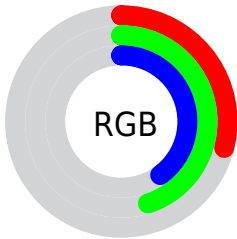
Format	Color
RYB	74, 98, 114
Decimal	4878950
CIELab	45.00, -16.96, 2.19
CIElCh	45, 17.098, 172.627
Yxy	14.5417, 0.2779, 0.3571
Android (android.graphics.Color)	4283069030 (0xFF4A7266)
YUV	100.6720, 0.6547, -23.3913
Hunter-Lab	38.1336, -13.7640, 3.5846

Details

The CIELCh color $45, 17.098, 172.627$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 18.875, 359.732$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.126, 172.906$, and $25, 17.455, 171.925$ is the 20% darker color. If you saturate the color by 10%, you get $44, 21.519, 171.484$, and if you desaturate by 10%, it is $46, 12.410, 173.676$.

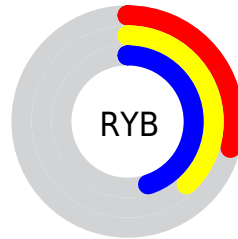
Distribution



Red (29%)

Green (45%)

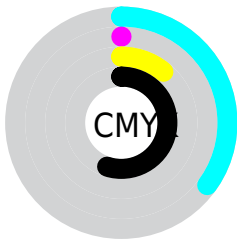
Blue (40%)



Red (29%)

Yellow (38%)

Blue (45%)

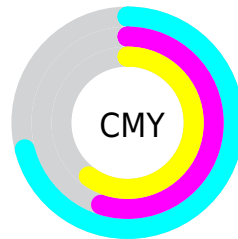


Cyan (35%)

Magenta (0%)

Yellow (11%)

Black (55%)



Cyan (71%)


Magenta (55%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 17.098, 172.627 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, 17.098, 172.627 by changing the saturation by 10% instead.


 45, 17.098,
172.627


 45, 17.098,
172.627


 100, 17.098,
172.627


 35, 17.098,
172.627

 65, 17.098,
172.627


 25, 17.098,
172.627

 75, 17.098,
172.627

 15, 17.098,
172.627

 85, 17.098,
172.627

 5, 17.098, 172.627

 95, 17.098,
172.627

 0, 17.098, 172.627

 45, 17.098,

 45, 17.098,

172.627

172.627

■ 44, 21.519,
171.484

■ 46, 12.410,
173.676

■ 44, 25.594,
170.232

■ 47, 7.529, 174.658

■ 43, 29.255,
168.849

■ 48, 2.525, 175.643

■ 49, 2.544, 356.240

■ 43, 32.446,
167.311

■ 50, 7.626, 357.124

■ 43, 35.141,
165.602

■ 51, 12.684,
357.903

■ 42, 37.383,
163.739

■ 52, 17.686,
358.637

■ 42, 38.472,
162.852

■ 54, 22.612,
359.336

■ 55, 27.447, 0.007

Harmonies

Complementary

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



45, 17.098, 172.627



36, 18.875, 359.732

Rectangle

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



45, 17.098, 172.627



45, 17.098, 222.627



45, 17.098, 352.627



45, 17.098, 42.627

Sweetspot

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



45, 17.099, 172.625



60, 6.223, 175.112



45, 26.282, 133.613



31, 4.215, 175.010



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 17.099, 172.625



57, 24.918, 171.712



43, 12.545, 218.892



23, 2.793, 175.236



44, 39.865, 162.733



87, 69.515, 161.413

Inverse Universe

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



36, 18.875, 359.732



44, 28.170, 0.955



38, 15.884, 37.648



22, 2.863, 356.688



24, 49.598, 18.736



52, 86.220, 22.237

Previews

White Background



This preview shows how the CIELCh color 45, 17.098, 172.627 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, 17.098, 172.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

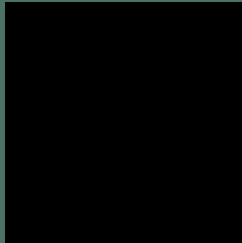
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 17.098, 172.627

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.098, 172.627.



This preview shows how white text looks on a background with the CIELCh color 45, 17.098, 172.627.

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, 17.098, 172.627

Protanopia
45, 5.040, 89.815

Deuteranopia
45, 5.983, 8.677



Tritanopia
45, 12.869, 223.050

Trichromacy



Original Color
45, 17.098, 172.627

Protanomaly
45, 7.337, 151.661

Deuteranomaly
45, 3.056, 163.302

Tritanomaly
45, 13.290, 200.528

Monochromacy



Original Color
45, 17.098, 172.627

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 6.822, 172.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.098, 172.627 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(74, 114, 102)` looks like.

```
.text, #text, p{  
    color:rgb(74, 114, 102)  
}
```

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(74, 114, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 114, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.098, 172.627 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(74, 114, 102) }
```

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

```
.border{ border-color:rgb(74, 114, 102) }
```

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

Here you see how a box with a 4 pixel rgb(74, 114, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 114, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 114, 102);  
box-shadow:4px 4px 4px 4px rgb(74, 114,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.098, 172.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 114, 102) }
```

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

```
.background{ background-color: rgb(74, 114,  
102) }
```

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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