

Converting Colors

CIELCh(45, 15.933, 177.771)

Have a look what the booklet for
CIELCh(45, 15.933, 177.771)
contains.

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Color

CIELCh(45, 15.920, 177.802)

Conversions

Conversions Part 1

Format	Color
Hex	4B7269
RGB	75, 114, 105
RGB Percent	29%, 45%, 41%
CMY	0.7060, 0.5531, 0.5883
CMYK	0.34, 0.00, 0.08, 0.55
HSL	166°, 21%, 37%
HSV	166°, 34%, 45%
XYZ	11.4614, 14.5417, 15.5593
YIQ	101.3130, -20.3550, -11.0670

Conversions

Conversions Part 2

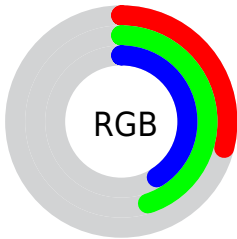
Format	Color
RYB	75, 97, 114
Decimal	4944489
CIELab	45.00, -15.91, 0.61
CIElCh	45, 15.920, 177.802
Yxy	14.5417, 0.2758, 0.3499
Android (android.graphics.Color)	4283134569 (0xFF4B7269)
YUV	101.3130, 1.8177, -23.0765
Hunter-Lab	38.1336, -13.0838, 2.5020

Details

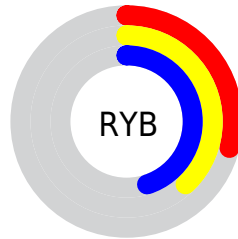
The CIELCh color **45, 15.920, 177.802** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 18.011, 4.662**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 16.035, 177.677**, and **25, 16.155, 177.609** is the 20% darker color. If you saturate the color by 10%, you get **44, 20.055, 176.734**, and if you desaturate by 10%, it is **46, 11.494, 178.796**.

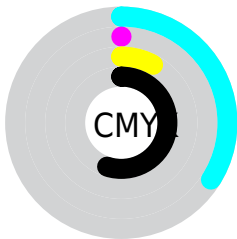
Distribution



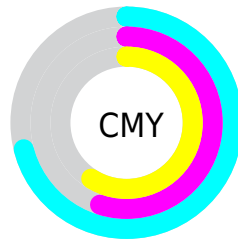
- Red (29%)
- Green (45%)
- Blue (41%)



- Red (29%)
- Yellow (38%)
- Blue (45%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (55%)





- Cyan (71%)
- Magenta (55%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 15.920, 177.802 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, 15.920, 177.802 by changing the saturation by 10% instead.


 45, 15.920,
177.802


 45, 15.920,
177.802


 100, 15.920,
177.802


 35, 15.920,
177.802

 65, 15.920,
177.802


 25, 15.920,
177.802

 75, 15.920,
177.802

 15, 15.920,
177.802


 85, 15.920,
177.802

 5, 15.920, 177.802

 95, 15.920,
177.802

 0, 15.920, 177.802

 45, 15.920,

 45, 15.920,

177.802

177.802

■ 44, 20.055,
176.734

■ 46, 11.494,
178.796

■ 44, 23.822,
175.580

■ 47, 6.848, 179.743

■ 43, 27.158,
174.319

■ 48, 2.052, 180.735

■ 49, 2.836, 1.292

■ 43, 30.011,
172.929

■ 50, 7.766, 2.167

■ 43, 32.356,
171.390

■ 51, 12.695, 2.953

■ 52, 17.594, 3.701

■ 42, 34.227,
169.704

■ 54, 22.439, 4.421

■ 42, 35.256,
168.763

■ 55, 27.213, 5.115

Harmonies

Complementary

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



45, 15.920, 177.802



36, 18.011, 4.662

Rectangle

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



45, 15.920, 177.802



45, 15.920, 227.802



45, 15.920, 357.802



45, 15.920, 47.802

Sweetspot

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



45, 15.921, 177.800



60, 5.990, 180.115



45, 26.298, 136.131



31, 4.056, 180.014



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, 15.921, 177.800



57, 23.161, 176.971



42, 11.980, 230.224



23, 2.689, 180.236



44, 36.601, 168.648



87, 63.536, 167.449

Inverse Universe

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



36, 18.011, 4.662



44, 27.018, 5.882



39, 14.788, 46.092



22, 2.774, 1.663



24, 51.265, 24.704



52, 89.831, 28.164

Previews

White Background



This preview shows how the CIELCh color 45, 15.920, 177.802 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, 15.920, 177.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

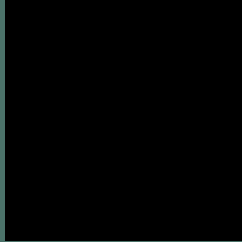
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

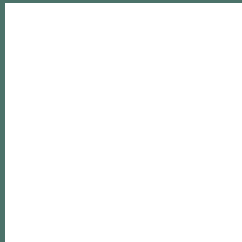
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 15.920, 177.802

Background



This preview shows how black text looks on a background with the CIELCh color 45, 15.920, 177.802.



This preview shows how white text looks on a background with the CIELCh color 45, 15.920, 177.802.

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, 15.920, 177.802

Protanopia

45, 3.774, 90.121

Deuteranopia

45, 5.911, 356.396



Tritanopia
45, 12.869, 223.050

Trichromacy



Original Color
45, 15.920, 177.802

Protanomaly
45, 6.484, 158.643

Deuteranomaly
45, 2.516, 185.504

Tritanomaly
45, 12.930, 203.324

Monochromacy



Original Color
45, 15.920, 177.802

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.187, 175.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 15.920, 177.802 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(75, 114, 105)` looks like.

```
.text, #text, p{  
    color:rgb(75, 114, 105)  
}
```

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(75, 114, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 114, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 15.920, 177.802 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(75, 114, 105) }
```

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

```
.border{ border-color:rgb(75, 114, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 114, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 114, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 114, 105);  
box-shadow:4px 4px 4px 4px rgb(75, 114,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 15.920, 177.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 114, 105) }
```

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

```
.background{ background-color: rgb(75, 114,  
105) }
```

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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