

Converting Colors

CIELCh(45, 30.276, 150.063)

Have a look what the booklet for
CIELCh(45, 30.276, 150.063)
contains.

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Color

CIELCh(45, 30.311, 150.082)

Conversions

Conversions Part 1

Format	Color
Hex	417550
RGB	65, 117, 80
RGB Percent	25%, 46%, 31%
CMY	0.7435, 0.5395, 0.6848
CMYK	0.44, 0.00, 0.32, 0.54
HSL	137°, 28%, 36%
HSV	137°, 44%, 46%
XYZ	10.0786, 14.5417, 9.9400
YIQ	97.2340, -19.1150, -22.5310

Conversions

Conversions Part 2

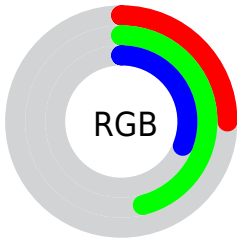
Format	Color
R _{YB}	65, 105, 117
Decimal	4289872
CIE Lab	45.00, -26.27, 15.12
CIE LCh	45, 30.311, 150.082
Yxy	14.5417, 0.2916, 0.4208
Android (android.graphics.Color)	4282479952 (0xFF417550)
YUV	97.2340, -8.4964, -28.2692
Hunter-Lab	38.1336, -19.5569, 11.2388

Details

The CIELCh color **45, 30.311, 150.082** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **35, 30.600, 336.946**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 30.101, 149.735**, and **25, 30.162, 149.989** is the 20% darker color. If you saturate the color by 10%, you get **44, 36.692, 148.883**, and if you desaturate by 10%, it is **46, 23.639, 151.131**.

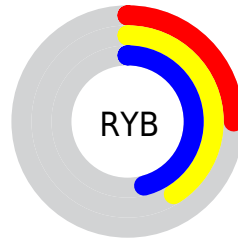
Distribution



Red (25%)

Green (46%)

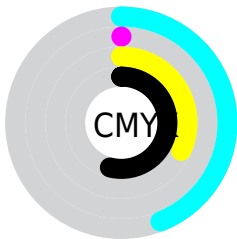
Blue (31%)



Red (25%)

Yellow (41%)

Blue (46%)

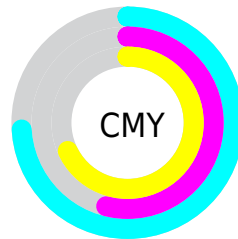


Cyan (44%)

Magenta (0%)

Yellow (32%)

Black (54%)



Cyan (74%)


Magenta (54%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 30.311, 150.082 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, 30.311, 150.082 by changing the saturation by 10% instead.


 45, 30.311,
150.082


 45, 30.311,
150.082


 100, 30.311,
150.082


 35, 30.311,
150.082


 65, 30.311,
150.082


 25, 30.311,
150.082


 75, 30.311,
150.082

 15, 30.311,
150.082

 85, 30.311,
150.082

 5, 30.311, 150.082

 95, 30.311,
150.082

 0, 30.311, 150.082

 45, 30.311,

 45, 30.311,

150.082

150.082

■ 44, 36.692,
148.883

■ 46, 23.639,
151.131

■ 44, 42.655,
147.521

■ 47, 16.788,
152.049

■ 43, 48.085,
145.992

■ 48, 9.863, 152.857

■ 43, 52.879,
144.310

■ 49, 2.947, 153.611

■ 50, 3.893, 334.094

■ 43, 56.982,
142.533

■ 51, 10.609,
334.678

■ 43, 59.122,
141.636

■ 53, 17.167,
335.175

■ 54, 23.544,
335.618

■ 56, 29.729,

Harmonies

Complementary

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



45, 30.311, 150.082



35, 30.600, 336.946

Rectangle

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



45, 30.311, 150.082



45, 30.311, 200.082



45, 30.311, 330.082



45, 30.311, 20.082

Sweetspot

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



45, 30.312, 150.082



61, 11.135, 152.930



47, 30.567, 118.686



31, 7.750, 152.793



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, 30.312, 150.082



57, 44.481, 148.876



46, 20.367, 177.823



24, 3.870, 153.250



44, 61.041, 141.542



86, 106.240, 140.406

Inverse Universe

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



35, 30.600, 336.946



43, 44.702, 337.800



34, 24.175, 7.351



23, 3.888, 334.352



26, 54.392, 343.299



56, 91.288, 344.406

Previews

White Background



This preview shows how the CIELCh color 45, 30.311, 150.082 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, 30.311, 150.082 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, 30.311, 150.082

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.311, 150.082.



This preview shows how white text looks on a background with the CIELCh color 45, 30.311, 150.082.

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, 30.311, 150.082

Protanopia

45, 18.683, 96.270

Deuteranopia

45, 14.721, 66.270



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 30.311, 150.082

Protanomaly
44, 20.399, 124.982

Deuteranomaly
45, 14.951, 116.501

Tritanomaly
45, 16.602, 180.716

Monochromacy



Original Color
45, 30.311, 150.082

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 11.164, 153.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.311, 150.082 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(65, 117, 80)` looks like.

```
.text, #text, p{  
    color:rgb(65, 117, 80)  
}
```

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(65, 117, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 117, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.311, 150.082 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(65, 117, 80) }
```

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

```
.border{ border-color:rgb(65, 117, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 117, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 117, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 117, 80);  
box-shadow:4px 4px 4px 4px rgb(65, 117,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.311, 150.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 117, 80) }
```

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

```
.background{ background-color: rgb(65, 117,  
80) }
```

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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