

Converting Colors

CIELCh(45, 30.082, 247.315)

Have a look what the booklet for
CIELCh(45, 30.082, 247.315)
contains.

CIELCh(45, 30.094, 247.391)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 30.094, 247.391)

Conversions

Conversions Part 1

Format	Color
Hex	177298
RGB	23, 114, 152
RGB Percent	9%, 45%, 60%
CMY	0.9116, 0.5520, 0.4029
CMYK	0.85, 0.25, 0.00, 0.40
HSL	198°, 74%, 34%
HSV	198°, 85%, 60%
XYZ	12.0761, 14.5417, 31.9868
YIQ	91.1230, -66.4340, -7.4740

Conversions

Conversions Part 2

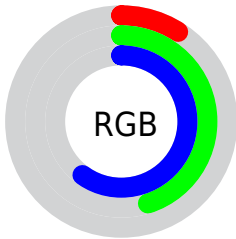
Format	Color
R_{YB}	23, 76, 152
Decimal	1536664
CIE _{Lab}	45.00, -11.57, -27.78
CIE _{LCh}	45, 30.094, 247.391
Yxy	14.5417, 0.2061, 0.2481
Android (android.graphics.Color)	4279726744 (0xFF177298)
YUV	91.1230, 30.0124, -59.7439
Hunter-Lab	38.1336, -10.2068, -23.0395

Details

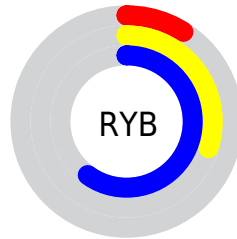
The CIELCh color **45, 30.094, 247.391** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 54.647, 48.122**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 29.799, 246.990**, and **26, 25.980, 261.047** is the 20% darker color. If you saturate the color by 10%, you get **43, 31.885, 251.830**, and if you desaturate by 10%, it is **47, 28.006, 243.588**.

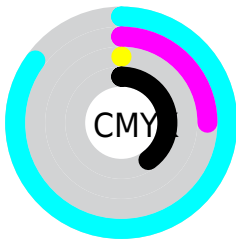
Distribution



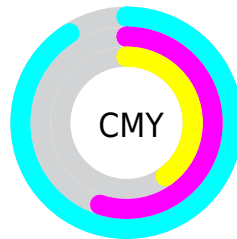
- Red (9%)
- Green (45%)
- Blue (60%)



- Red (9%)
- Yellow (30%)
- Blue (60%)



- Cyan (85%)
- Magenta (25%)
- Yellow (0%)
- Black (40%)





- Cyan (91%)
- Magenta (55%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 30.094, 247.391 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, 30.094, 247.391 by changing the saturation by 10% instead.


 45, 30.094,
247.391


 45, 30.094,
247.391


 100, 30.094,
247.391


 35, 30.094,
247.391

 65, 30.094,
247.391


 25, 30.094,
247.391

 75, 30.094,
247.391

 15, 30.094,
247.391

 85, 30.094,
247.391

 5, 30.094, 247.391

 95, 30.094,
247.391

 0, 30.094, 247.391

 45, 30.094,

 45, 30.094,

247.391

■ 43, 31.885,
251.830

■ 43, 32.751,
253.978

247.391

■ 47, 28.006,
243.588

■ 49, 25.525,
240.435

■ 51, 22.612,
237.872

■ 53, 19.270,
235.817

■ 55, 15.534,
234.186

■ 57, 11.452,
232.900

■ 59, 7.081, 231.902

■ 62, 2.473, 231.208

Harmonies

Complementary

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



45, 30.094, 247.391



38, 54.647, 48.122

Rectangle

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



45, 30.094, 247.391



45, 30.094, 297.391



45, 30.094, 67.391



45, 30.094, 117.391

Sweetspot

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



45, 30.093, 247.392



73, 14.640, 233.054



55, 65.644, 143.616



37, 9.810, 233.437



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 30.093, 247.392



55, 40.267, 255.088



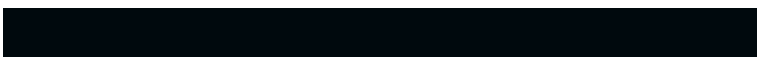
26, 65.322, 297.326



31, 2.679, 231.436



39, 30.750, 253.580



2, 2.947, 232.178

Inverse Universe

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



35, 61.177, 341.683



44, 76.827, 344.483



53, 53.888, 88.898



30, 4.838, 334.582



31, 59.676, 343.910



1, 5.147, 334.482

Previews

White Background



This preview shows how the CIELCh color 45, 30.094, 247.391 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, 30.094, 247.391 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, 30.094, 247.391

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.094, 247.391.

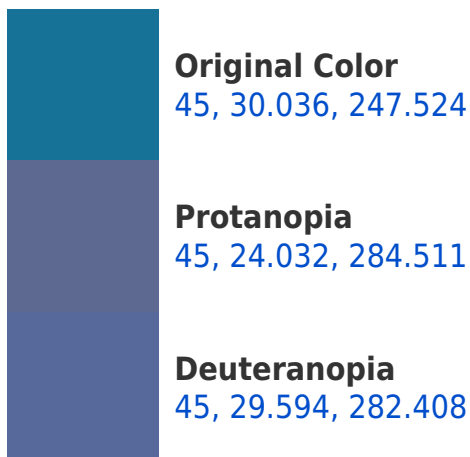


This preview shows how white text looks on a background with the CIELCh color 45, 30.094, 247.391.

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





Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 30.036, 247.524

Protanomaly
44, 26.207, 265.682

Deuteranomaly
44, 29.179, 267.158

Tritanomaly
45, 27.014, 222.142

Monochromacy



Original Color
45, 30.036, 247.524

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 14.143, 235.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.094, 247.391 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(23, 114, 152)` looks like.

```
.text, #text, p{  
    color:rgb(23, 114, 152)  
}
```

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(23, 114, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 114, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.094, 247.391 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(23, 114, 152) }
```

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

```
.border{ border-color:rgb(23, 114, 152) }
```

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

Here you see how a box with a 4 pixel rgb(23, 114, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 114, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 114, 152);  
box-shadow:4px 4px 4px 4px rgb(23, 114,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.094, 247.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 114, 152) }
```

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

```
.background{ background-color: rgb(23, 114,  
152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor