

Converting Colors

CIELCh(45, 28.893, 246.501)

Have a look what the booklet for
CIELCh(45, 28.893, 246.501)
contains.

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Color

CIELCh(45, 28.894, 246.501)

Conversions

Conversions Part 1

Format	Color
Hex	1E7296
RGB	30, 114, 150
RGB Percent	12%, 45%, 59%
CMY	0.8816, 0.5525, 0.4113
CMYK	0.80, 0.24, 0.00, 0.41
HSL	198°, 67%, 35%
HSV	198°, 80%, 59%
XYZ	12.0830, 14.5417, 31.0693
YIQ	92.9880, -61.6200, -6.6120

Conversions

Conversions Part 2

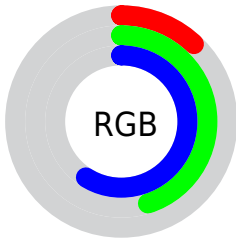
Format	Color
R_{YB}	30, 79, 150
Decimal	1995414
CIE _{Lab}	45.00, -11.52, -26.50
CIE _{LCh}	45, 28.894, 246.501
Yxy	14.5417, 0.2094, 0.2520
Android (android.graphics.Color)	4280185494 (0xFF1E7296)
YUV	92.9880, 28.1069, -55.2405
Hunter-Lab	38.1336, -10.1741, -21.6130

Details

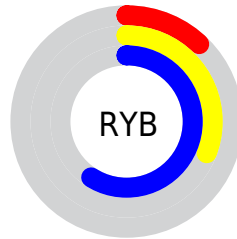
The CIELCh color **45, 28.894, 246.501** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 50.046, 48.726**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 28.688, 246.129**, and **26, 25.040, 258.707** is the 20% darker color. If you saturate the color by 10%, you get **43, 30.880, 250.659**, and if you desaturate by 10%, it is **47, 26.569, 242.999**.

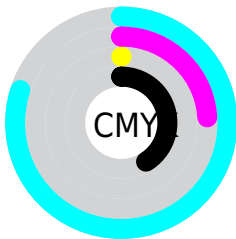
Distribution



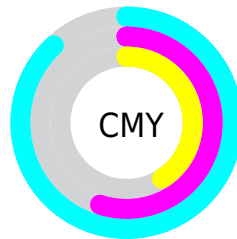
- Red (12%)
- Green (45%)
- Blue (59%)



- Red (12%)
- Yellow (31%)
- Blue (59%)



- Cyan (80%)
- Magenta (24%)
- Yellow (0%)
- Black (41%)





- Cyan (88%)
- Magenta (55%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 28.894, 246.501 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, 28.894, 246.501 by changing the saturation by 10% instead.

 45, 28.894,
246.501


 45, 28.894,
246.501


 100, 28.894,
246.501


 35, 28.894,
246.501

 65, 28.894,
246.501


 25, 28.894,
246.501

 75, 28.894,
246.501

 15, 28.894,
246.501

 85, 28.894,
246.501

 5, 28.894, 246.501

 95, 28.894,
246.501

 0, 28.894, 246.501

 45, 28.894,

 45, 28.894,

246.501

■ 43, 30.880,
250.659

■ 42, 32.722,
255.209

■ 42, 32.744,
255.258

246.501

■ 47, 26.569,
242.999

■ 49, 23.843,
240.121

■ 51, 20.700,
237.793

■ 53, 17.159,
235.930

■ 55, 13.262,
234.452

■ 57, 9.060, 233.289

■ 60, 4.606, 232.401

■ 62, 0.050, 43.311

■ 65, 4.861, 50.911

Harmonies

Complementary

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



45, 28.894, 246.501



39, 50.046, 48.726

Rectangle

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



45, 28.894, 246.501



45, 28.894, 296.501



45, 28.894, 66.501



45, 28.894, 116.501

Sweetspot

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



45, 28.893, 246.501



72, 13.451, 233.789



55, 61.234, 145.160



37, 9.232, 234.184



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, 28.893, 246.501



55, 39.418, 254.462



27, 61.520, 296.487



30, 2.603, 232.351



38, 30.642, 254.831



2, 2.319, 231.600

Inverse Universe

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



35, 58.663, 341.351



44, 75.540, 344.240



54, 51.641, 90.892



29, 4.679, 334.871



30, 58.635, 344.384



1, 4.062, 334.293

Previews

White Background



This preview shows how the CIE LCh color 45, 28.894, 246.501 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, 28.894, 246.501 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, 28.894, 246.501

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.894, 246.501.

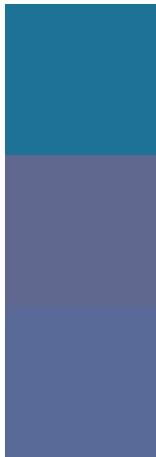


This preview shows how white text looks on a background with the CIELCh color 45, 28.894, 246.501.

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, 28.894, 246.501

Protanopia
45, 22.825, 284.637

Deuteranopia
45, 28.351, 282.854



Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 28.894, 246.501

Protanomaly
44, 24.896, 265.648

Deuteranomaly
44, 27.811, 267.479

Tritanomaly
45, 26.773, 220.948

Monochromacy



Original Color
45, 28.894, 246.501

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 13.342, 234.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.894, 246.501 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(30, 114, 150)` looks like.

```
.text, #text, p{  
    color:rgb(30, 114, 150)  
}
```

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(30, 114, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 114, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.894, 246.501 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(30, 114, 150) }
```

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

```
.border{ border-color:rgb(30, 114, 150) }
```

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

Here you see how a box with a 4 pixel rgb(30, 114, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 114, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 114, 150);  
box-shadow:4px 4px 4px 4px rgb(30, 114,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.894, 246.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 114, 150) }
```

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

```
.background{ background-color: rgb(30, 114,  
150) }
```

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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