

Converting Colors

CIELCh(45, 24.368, 196.767)

Have a look what the booklet for
CIELCh(45, 24.368, 196.767)
contains.

CIELCh(45, 24.294, 196.785)	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, 24.294, 196.785)

Conversions

Conversions Part 1

Format	Color
Hex	277575
RGB	39, 117, 117
RGB Percent	15%, 46%, 46%
CMY	0.8488, 0.5395, 0.5395
CMYK	0.67, 0.00, 0.00, 0.54
HSL	180°, 51%, 31%
HSV	180°, 67%, 46%
XYZ	10.4684, 14.5417, 19.2181
YIQ	93.6780, -46.4880, -16.5360

Conversions

Conversions Part 2

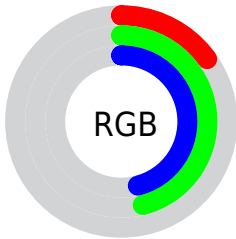
Format	Color
R_YB	39, 78, 117
Decimal	2585973
CIE Lab	45.00, -23.26, -7.02
CIE LCh	45, 24.294, 196.785
Yxy	14.5417, 0.2367, 0.3288
Android (android.graphics.Color)	4280776053 (0xFF277575)
YUV	93.6780, 11.4977, -47.9526
Hunter-Lab	38.1336, -17.7321, -3.1867

Details

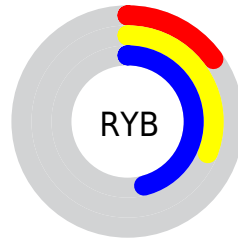
The CIELCh color `45, 24.294, 196.785` is a dark color, and the websafe version is hex `006666`. A complement of this color would be `28, 39.365, 28.609`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 23.840, 197.422`, and `25, 19.209, 198.416` is the 20% darker color. If you saturate the color by 10%, you get `45, 26.062, 196.601`, and if you desaturate by 10%, it is `45, 21.965, 197.026`.

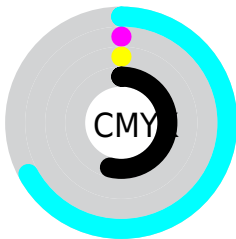
Distribution



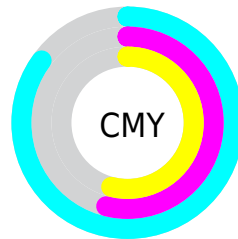
- Red (15%)
- Green (46%)
- Blue (46%)



- Red (15%)
- Yellow (31%)
- Blue (46%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)



- Cyan (85%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.294, 196.785 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, 24.294, 196.785 by changing the saturation by 10% instead.


 45, 24.294,
196.785


 45, 24.294,
196.785


 100, 24.294,
196.785


 35, 24.294,
196.785

 65, 24.294,
196.785


 25, 24.294,
196.785

 75, 24.294,
196.785

 15, 24.294,
196.785

 85, 24.294,
196.785

 5, 24.294, 196.785

 95, 24.294,
196.785

 0, 24.294, 196.785

 45, 24.294,

 45, 24.294,

196.785

■ 45, 26.062,
196.601

■ 45, 27.276,
196.476

■ 44, 28.053,
196.397

■ 44, 28.262,
196.375

196.785

■ 45, 21.965,
197.026

■ 46, 19.099,
197.329

■ 46, 15.740,
197.690

■ 47, 11.948,
198.106

■ 48, 7.791, 198.577

■ 49, 3.337, 199.136

■ 50, 1.346, 19.274

■ 51, 6.199, 20.045

■ 52, 11.170, 20.645

Harmonies

Complementary

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



45, 24.294, 196.785



28, 39.365, 28.609

Rectangle

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



45, 24.294, 196.785



45, 24.294, 246.785



45, 24.294, 16.785



45, 24.294, 66.785

Sweetspot

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



45, 24.294, 196.784



61, 11.160, 198.413



43, 53.628, 138.511



31, 7.518, 198.309



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, 24.294, 196.784



57, 32.509, 196.521



33, 26.043, 267.459



24, 2.606, 199.018



46, 29.112, 196.375



89, 49.356, 196.374

Inverse Universe

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



28, 39.365, 28.609



33, 59.675, 33.638



36, 32.024, 65.728



23, 2.751, 19.858



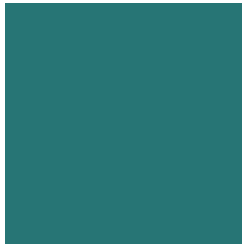
24, 59.040, 37.985



52, 102.983, 39.998

Previews

White Background



This preview shows how the CIE LCh color 45, 24.294, 196.785 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, 24.294, 196.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

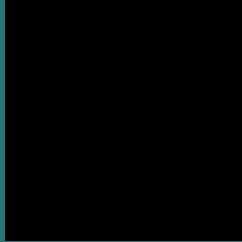
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

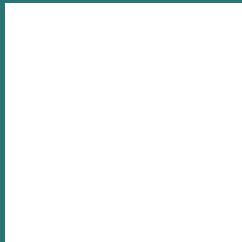
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 24.294, 196.785

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.294, 196.785.



This preview shows how white text looks on a background with the CIELCh color 45, 24.294, 196.785.

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, 24.119, 196.804

Protanopia

45, 3.110, 305.695

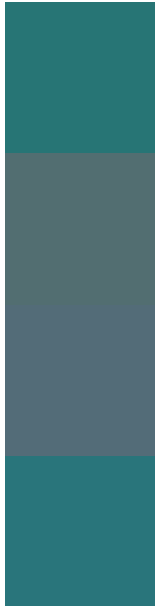
Deuteranopia

45, 11.064, 303.867



Tritanopia
45, 22.596, 212.646

Trichromacy



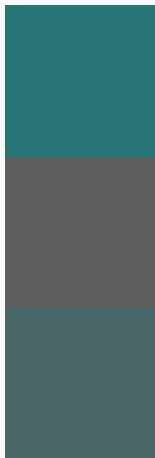
Original Color
45, 24.119, 196.804

Protanomaly
44, 10.637, 208.028

Deuteranomaly
44, 11.427, 237.809

Tritanomaly
45, 23.214, 205.967

Monochromacy



Original Color
45, 24.119, 196.804

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 11.093, 198.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.294, 196.785 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(39, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(39, 117, 117)  
}
```

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(39, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 117, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.294, 196.785 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(39, 117, 117) }
```

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

```
.border{ border-color:rgb(39, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 117, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 117, 117);  
box-shadow:4px 4px 4px 4px rgb(39, 117,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.294, 196.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 117, 117) }
```

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

```
.background{ background-color: rgb(39, 117,  
117) }
```

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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