

Converting Colors

CIELCh(45, 24.846, 197.692)

Have a look what the booklet for
CIELCh(45, 24.846, 197.692)
contains.

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Color

CIELCh(45, 25.006, 196.727)

Conversions

Conversions Part 1

Format	Color
Hex	237676
RGB	35, 118, 118
RGB Percent	14%, 46%, 46%
CMY	0.8642, 0.5384, 0.5384
CMYK	0.71, 0.00, 0.00, 0.54
HSL	180°, 55%, 30%
HSV	180°, 71%, 46%
XYZ	10.3784, 14.5417, 19.3114
YIQ	93.1830, -49.4680, -17.5960

Conversions

Conversions Part 2

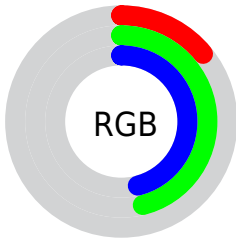
Format	Color
RYB	35, 77, 118
Decimal	2324086
CIELab	45.00, -23.95, -7.20
CIELCh	45, 25.006, 196.727
Yxy	14.5417, 0.2346, 0.3288
Android (android.graphics.Color)	4280514166 (0xFF237676)
YUV	93.1830, 12.2348, -51.0265
Hunter-Lab	38.1336, -18.1535, -3.3319

Details

The CIELCh color **45, 25.006, 196.727** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 41.652, 29.602**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 25.216, 196.046**, and **26, 19.398, 198.391** is the 20% darker color. If you saturate the color by 10%, you get **45, 26.584, 196.564**, and if you desaturate by 10%, it is **45, 22.864, 196.947**.

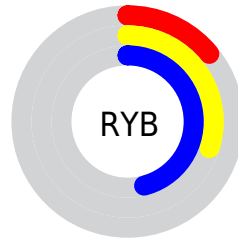
Distribution



Red (14%)

Green (46%)

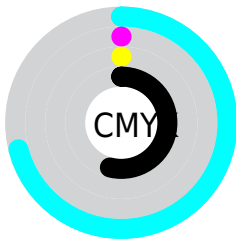
Blue (46%)



Red (14%)

Yellow (30%)

Blue (46%)

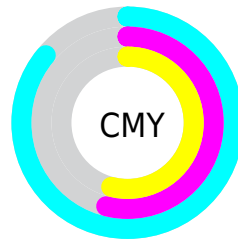


Cyan (71%)

Magenta (0%)

Yellow (0%)

Black (54%)



Cyan (86%)


Magenta (54%)

Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 25.006, 196.727 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, 25.006, 196.727 by changing the saturation by 10% instead.


 45, 25.006,
196.727


 45, 25.006,
196.727


 100, 25.006,
196.727


 35, 25.006,
196.727

 65, 25.006,
196.727


 25, 25.006,
196.727

 75, 25.006,
196.727

 15, 25.006,
196.727

 85, 25.006,
196.727

 5, 25.006, 196.727

 95, 25.006,
196.727

 0, 25.006, 196.727

 45, 25.006,

 45, 25.006,

196.727

■ 45, 26.584,
196.564

■ 45, 27.616,
196.459

■ 45, 28.308,
196.390

196.727

■ 45, 22.864,
196.947

■ 46, 20.173,
197.229

■ 46, 16.971,
197.569

■ 47, 13.313,
197.966

■ 48, 9.266, 198.418

■ 49, 4.897, 198.936

■ 49, 0.277, 200.728

■ 51, 4.534, 19.839

■ 52, 9.479, 20.450

Harmonies

Complementary

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



45, 25.006, 196.727



27, 41.652, 29.602

Rectangle

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



45, 25.006, 196.727



45, 25.006, 246.727



45, 25.006, 16.727



45, 25.006, 66.727

Sweetspot

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



45, 25.006, 196.726



61, 11.681, 198.373



43, 56.005, 138.403



31, 7.807, 198.274



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, 25.006, 196.726



57, 33.031, 196.489



31, 28.014, 270.522



24, 2.606, 199.027



46, 29.110, 196.390



89, 49.352, 196.390

Inverse Universe

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



30, 55.128, 327.691



37, 75.099, 328.067



36, 33.928, 66.859



23, 4.757, 324.890



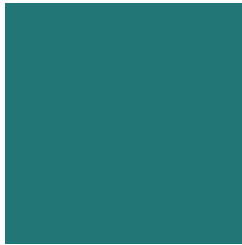
28, 67.129, 328.233



59, 113.809, 328.233

Previews

White Background



This preview shows how the CIELCh color 45, 25.006, 196.727 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, 25.006, 196.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

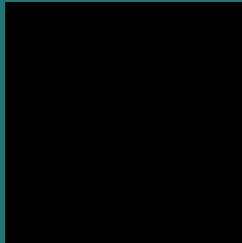
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 25.006, 196.727

Background



This preview shows how black text looks on a background with the CIELCh color 45, 25.006, 196.727.



This preview shows how white text looks on a background with the CIELCh color 45, 25.006, 196.727.

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, 25.006, 196.727

Protanopia

45, 3.110, 305.695

Deuteranopia

45, 11.064, 303.867



Tritanopia
45, 23.111, 212.245

Trichromacy



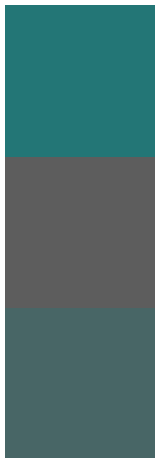
Original Color
45, 25.006, 196.727

Protanomaly
44, 10.975, 207.689

Deuteranomaly
44, 11.688, 236.751

Tritanomaly
45, 23.725, 205.722

Monochromacy



Original Color
45, 25.006, 196.727

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 11.446, 198.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 25.006, 196.727 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(35, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(35, 118, 118)  
}
```

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(35, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 118, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 25.006, 196.727 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(35, 118, 118) }
```

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

```
.border{ border-color:rgb(35, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(35, 118,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 25.006, 196.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 118, 118) }
```

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

```
.background{ background-color: rgb(35, 118,  
118) }
```

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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