

Converting Colors

CIELCh(45, 26.711, 196.548)

Have a look what the booklet for
CIELCh(45, 26.711, 196.548)
contains.

CIELCh(45, 26.623, 196.562)	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, 26.623, 196.562)

Conversions

Conversions Part 1

Format	Color
Hex	187676
RGB	24, 118, 118
RGB Percent	9%, 46%, 46%
CMY	0.9075, 0.5359, 0.5359
CMYK	0.80, 0.00, 0.00, 0.54
HSL	180°, 67%, 28%
HSV	180°, 80%, 46%
XYZ	10.1751, 14.5417, 19.5142
YIQ	89.8940, -56.0240, -19.9280

Conversions

Conversions Part 2

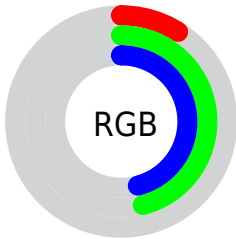
Format	Color
R_{YB}	24, 71, 118
Decimal	1603190
CIE _{Lab}	45.00, -25.52, -7.59
CIE _{LCh}	45, 26.623, 196.562
Yxy	14.5417, 0.2300, 0.3288
Android (android.graphics.Color)	4279793270 (0xFF187676)
YUV	89.8940, 13.8563, -57.7890
Hunter-Lab	38.1336, -19.1050, -3.6471

Details

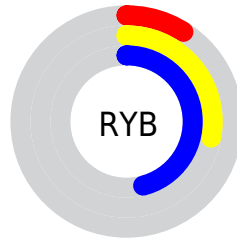
The CIELCh color **45, 26.623, 196.562** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 47.793, 32.638**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 26.668, 195.997**, and **26, 19.398, 198.391** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.685, 196.453**, and if you desaturate by 10%, it is **45, 25.010, 196.726**.

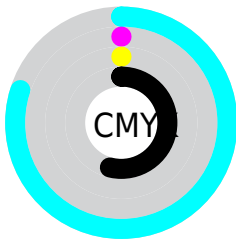
Distribution



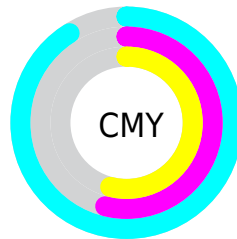
- Red (9%)
- Green (46%)
- Blue (46%)



- Red (9%)
- Yellow (28%)
- Blue (46%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)





- Cyan (91%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 26.623, 196.562 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, 26.623, 196.562 by changing the saturation by 10% instead.


 45, 26.623,
196.562


 45, 26.623,
196.562


 100, 26.623,
196.562


 35, 26.623,
196.562

 65, 26.623,
196.562


 25, 26.623,
196.562

 75, 26.623,
196.562

 15, 26.623,
196.562

 85, 26.623,
196.562

 5, 26.623, 196.562

 95, 26.623,
196.562

 0, 26.623, 196.562

 45, 26.623,

 45, 26.623,

196.562

196.562

■ 45, 27.685,
196.453

■ 45, 25.010,
196.726

■ 45, 28.416,
196.378

■ 46, 22.832,
196.951

■ 46, 20.102,
197.236

■ 47, 16.862,
197.580

■ 47, 13.166,
197.981

■ 48, 9.083, 198.436

■ 49, 4.681, 198.959

■ 50, 0.030, 212.230

■ 51, 4.811, 19.867

Harmonies

Complementary

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



45, 26.623, 196.562



25, 47.793, 32.638

Rectangle

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



45, 26.623, 196.562



45, 26.623, 246.562



45, 26.623, 16.562



45, 26.623, 66.562

Sweetspot

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



45, 26.623, 196.561



61, 13.220, 198.223



43, 61.086, 137.263



31, 8.943, 198.096



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, 26.623, 196.561



57, 33.966, 196.400



30, 30.843, 272.206



24, 2.606, 199.020



46, 29.112, 196.378



89, 49.356, 196.378

Inverse Universe

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



25, 47.793, 32.638



32, 68.882, 38.499



34, 38.976, 63.995



23, 2.751, 19.859



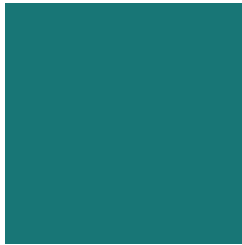
24, 59.041, 37.986



52, 102.984, 39.999

Previews

White Background



This preview shows how the CIELCh color 45, 26.623, 196.562 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, 26.623, 196.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

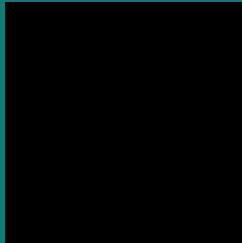
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 26.623, 196.562

Background



This preview shows how black text looks on a background with the CIELCh color 45, 26.623, 196.562.



This preview shows how white text looks on a background with the CIELCh color 45, 26.623, 196.562.

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, 26.510, 196.574

Protanopia

45, 3.110, 305.695

Deuteranopia

45, 11.647, 303.283



Tritanopia
45, 24.651, 211.123

Trichromacy



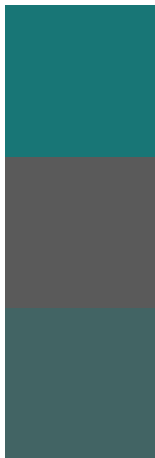
Original Color
45, 26.510, 196.574

Protanomaly
44, 12.299, 206.520

Deuteranomaly
44, 13.000, 232.157

Tritanomaly
45, 25.118, 206.513

Monochromacy



Original Color
45, 26.510, 196.574

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 12.805, 197.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 26.623, 196.562 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(24, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(24, 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(24, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 118, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 26.623, 196.562 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(24, 118, 118) }
```

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

```
.border{ border-color:rgb(24, 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(24, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(24, 118,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 26.623, 196.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 118, 118) }
```

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

```
.background{ background-color: rgb(24, 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](#).

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