

Converting Colors

CIELCh(45, 31.763, 170.301)

Have a look what the booklet for
CIELCh(45, 31.763, 170.301)
contains.

CIELCh(45, 31.793, 170.385)	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, 31.793, 170.385)

Conversions

Conversions Part 1

Format	Color
Hex	217861
RGB	33, 120, 97
RGB Percent	13%, 47%, 38%
CMY	0.8720, 0.5305, 0.6206
CMYK	0.73, 0.00, 0.19, 0.53
HSL	164°, 57%, 30%
HSV	164°, 73%, 47%
XYZ	9.4440, 14.5417, 13.5542
YIQ	91.3650, -44.4690, -25.5970

Conversions

Conversions Part 2

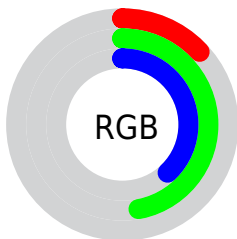
Format	Color
R_{YB}	33, 83, 120
Decimal	2193505
CIE _{Lab}	45.00, -31.35, 5.31
CIE _{LCh}	45, 31.793, 170.385
Yxy	14.5417, 0.2516, 0.3874
Android (android.graphics.Color)	4280383585 (0xFF217861)
YUV	91.3650, 2.7781, -51.1861
Hunter-Lab	38.1336, -22.5271, 5.6196

Details

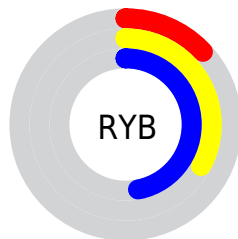
The CIELCh color **45, 31.793, 170.385** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 40.045, 10.643**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 31.593, 170.636**, and **26, 26.480, 165.803** is the 20% darker color. If you saturate the color by 10%, you get **45, 34.480, 168.770**, and if you desaturate by 10%, it is **45, 28.584, 171.838**.

Distribution



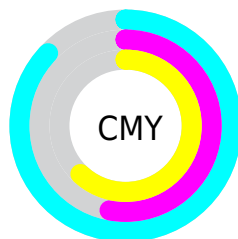
- Red (13%)
- Green (47%)
- Blue (38%)



- Red (13%)
- Yellow (33%)
- Blue (47%)



- Cyan (73%)
- Magenta (0%)
- Yellow (19%)
- Black (53%)





- Cyan (87%)
- Magenta (53%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 31.793, 170.385 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, 31.793, 170.385 by changing the saturation by 10% instead.


 45, 31.793,
170.385


 45, 31.793,
170.385


 100, 31.793,
170.385


 35, 31.793,
170.385

 65, 31.793,
170.385


 25, 31.793,
170.385

 75, 31.793,
170.385

 15, 31.793,
170.385

 85, 31.793,
170.385

 5, 31.793, 170.385

 95, 31.793,
170.385

 0, 31.793, 170.385

 45, 31.793,

 45, 31.793,

170.385

170.385

■ 45, 34.480,
168.770

■ 45, 28.584,
171.838

■ 44, 36.651,
166.983

■ 46, 24.884,
173.152

■ 44, 38.101,
165.704

■ 47, 20.752,
174.348

■ 47, 16.261,
175.447

■ 48, 11.490,
176.467

■ 49, 6.517, 177.434

■ 50, 1.411, 178.509

■ 51, 3.766, 359.023

■ 52, 8.963, 359.875

Harmonies

Complementary

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



45, 31.793, 170.385



28, 40.045, 10.643

Rectangle

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



45, 31.793, 170.385



45, 31.793, 220.385



45, 31.793, 350.385



45, 31.793, 40.385

Sweetspot

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



45, 31.793, 170.384



61, 13.777, 176.487



45, 54.458, 133.195



32, 9.299, 176.275



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 31.793, 170.384



57, 43.439, 167.643



39, 22.167, 232.062



24, 2.840, 177.792



45, 38.739, 165.652



88, 66.872, 164.423

Inverse Universe

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



28, 40.045, 10.643



34, 56.402, 17.011



31, 38.259, 43.675



23, 2.921, 359.254



25, 51.199, 22.055



53, 88.695, 25.460

Previews

White Background



This preview shows how the CIELCh color 45, 31.793, 170.385 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, 31.793, 170.385 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, 31.793, 170.385

Background



This preview shows how black text looks on a background with the CIELCh color 45, 31.793, 170.385.



This preview shows how white text looks on a background with the CIELCh color 45, 31.793, 170.385.

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, 31.793, 170.385

Protanopia

45, 9.744, 95.888

Deuteranopia

45, 6.824, 25.182



Tritanopia
45, 21.834, 211.604

Trichromacy



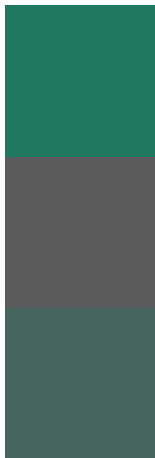
Original Color
45, 31.793, 170.385

Protanomaly
44, 16.226, 153.293

Deuteranomaly
44, 10.133, 166.037

Tritanomaly
45, 23.862, 193.911

Monochromacy



Original Color
45, 31.793, 170.385

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 13.269, 176.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 31.793, 170.385 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(33, 120, 97)` looks like.

```
.text, #text, p{  
    color:rgb(33, 120, 97)  
}
```

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(33, 120, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 120, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 31.793, 170.385 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(33, 120, 97) }
```

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

```
.border{ border-color:rgb(33, 120, 97) }
```

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

Here you see how a box with a 4 pixel rgb(33, 120, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 120, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 120, 97);  
box-shadow:4px 4px 4px 4px rgb(33, 120,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 31.793, 170.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 120, 97) }
```

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

```
.background{ background-color: rgb(33, 120,  
97) }
```

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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