

Converting Colors

CIELCh(45, 40.300, 156.091)

Have a look what the booklet for
CIELCh(45, 40.300, 156.091)
contains.

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Color

CIELCh(45, 40.207, 156.148)

Conversions

Conversions Part 1

Format	Color
Hex	1F794E
RGB	31, 121, 78
RGB Percent	12%, 47%, 31%
CMY	0.8779, 0.5251, 0.6938
CMYK	0.74, 0.00, 0.36, 0.53
HSL	151°, 59%, 30%
HSV	151°, 74%, 47%
XYZ	8.7956, 14.5417, 9.5670
YIQ	89.1880, -39.8370, -32.4530

Conversions

Conversions Part 2

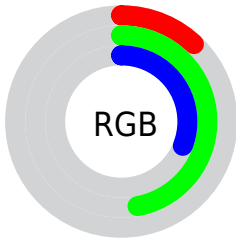
Format	Color
R_{YB}	31, 90, 121
Decimal	2062670
CIE _{Lab}	45.00, -36.77, 16.26
CIE _{LCh}	45, 40.207, 156.148
Yxy	14.5417, 0.2673, 0.4419
Android (android.graphics.Color)	4280252750 (0xFF1F794E)
YUV	89.1880, -5.5157, -51.0309
Hunter-Lab	38.1336, -25.5625, 11.8188

Details

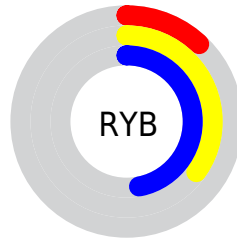
The CIELCh color **45, 40.207, 156.148** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **28, 42.534, 354.518**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 40.237, 156.014**, and **26, 34.733, 150.127** is the 20% darker color. If you saturate the color by 10%, you get **45, 44.070, 154.305**, and if you desaturate by 10%, it is **45, 35.824, 157.795**.

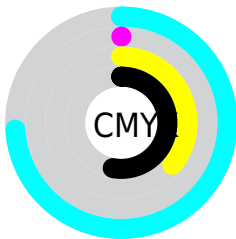
Distribution



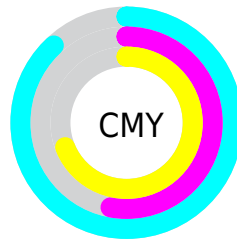
- Red (12%)
- Green (47%)
- Blue (31%)



- Red (12%)
- Yellow (35%)
- Blue (47%)



- Cyan (74%)
- Magenta (0%)
- Yellow (36%)
- Black (53%)





- Cyan (88%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 40.207, 156.148 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, 40.207, 156.148 by changing the saturation by 10% instead.

 45, 40.207,
156.148


 45, 40.207,
156.148


 100, 40.207,
156.148


 35, 40.207,
156.148

 65, 40.207,
156.148


 25, 40.207,
156.148

 75, 40.207,
156.148

 15, 40.207,
156.148

 85, 40.207,
156.148

 5, 40.207, 156.148

 95, 40.207,
156.148

 0, 40.207, 156.148

 45, 40.207,

 45, 40.207,

156.148

■ 45, 44.070,
154.305

■ 44, 47.421,
152.288

■ 44, 49.249,
151.195

156.148

■ 45, 35.824,
157.795

■ 46, 30.969,
159.259

■ 47, 25.719,
160.559

■ 47, 20.164,
161.718

■ 48, 14.395,
162.756

■ 49, 8.499, 163.700

■ 50, 2.551, 164.623

■ 52, 3.386, 345.197

■ 53, 9.263, 345.960

Harmonies

Complementary

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



45, 40.207, 156.148



28, 42.534, 354.518

Rectangle

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



45, 40.207, 156.148



45, 40.207, 206.148



45, 40.207, 336.148



45, 40.207, 26.148

Sweetspot

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



45, 40.207, 156.148



62, 16.227, 162.928



46, 52.474, 126.883



32, 10.832, 162.723



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, 40.207, 156.148



57, 56.353, 152.918



46, 25.714, 198.710



25, 3.378, 164.170



46, 50.451, 151.114



88, 87.207, 149.794

Inverse Universe

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



28, 42.534, 354.518



35, 57.332, 359.338



27, 44.669, 31.498



24, 3.422, 345.536



26, 49.925, 2.468



54, 83.818, 5.070

Previews

White Background



This preview shows how the CIELCh color 45, 40.207, 156.148 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, 40.207, 156.148 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, 40.207, 156.148

Background



This preview shows how black text looks on a background with the CIELCh color 45, 40.207, 156.148.



This preview shows how white text looks on a background with the CIELCh color 45, 40.207, 156.148.

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, 40.207, 156.148

Protanopia
45, 20.490, 95.625

Deuteranopia
45, 15.186, 67.625



Tritanopia
45, 20.837, 214.170

Trichromacy



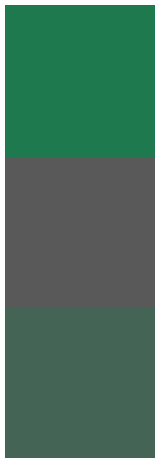
Original Color
45, 40.207, 156.148

Protanomaly
44, 24.791, 135.109

Deuteranomaly
44, 18.554, 133.941

Tritanomaly
45, 24.898, 184.089

Monochromacy



Original Color
45, 40.207, 156.148

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 16.671, 161.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 40.207, 156.148 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(31, 121, 78)` looks like.

```
.text, #text, p{  
    color:rgb(31, 121, 78)  
}
```

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(31, 121, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 121, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 40.207, 156.148 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(31, 121, 78) }
```

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

```
.border{ border-color:rgb(31, 121, 78) }
```

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

Here you see how a box with a 4 pixel rgb(31, 121, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 121, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 121, 78);  
box-shadow:4px 4px 4px 4px rgb(31, 121,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 40.207, 156.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 121, 78) }
```

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

```
.background{ background-color: rgb(31, 121,  
78) }
```

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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