

Converting Colors

CIELCh(45, 48.895, 148.205)

Have a look what the booklet for
CIELCh(45, 48.895, 148.205)
contains.

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Color

CIELCh(45, 48.827, 148.196)

Conversions

Conversions Part 1

Format	Color
Hex	197A3D
RGB	25, 122, 61
RGB Percent	10%, 48%, 24%
CMY	0.9002, 0.5204, 0.7598
CMYK	0.79, 0.00, 0.50, 0.52
HSL	142°, 66%, 29%
HSV	142°, 79%, 48%
XYZ	8.2560, 14.5417, 6.8232
YIQ	86.0430, -38.2310, -39.5350

Conversions

Conversions Part 2

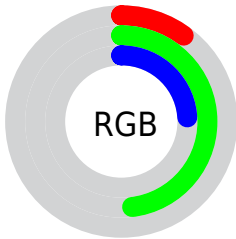
Format	Color
R_{YB}	25, 96, 122
Decimal	1669693
CIE _{Lab}	45.00, -41.50, 25.73
CIE _{LCh}	45, 48.827, 148.196
Yxy	14.5417, 0.2787, 0.4909
Android (android.graphics.Color)	4279859773 (0xFF197A3D)
YUV	86.0430, -12.3462, -53.5347
Hunter-Lab	38.1336, -28.0883, 16.0849

Details

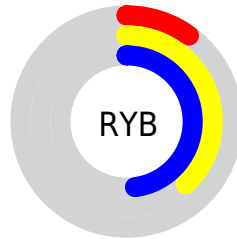
The CIELCh color **45, 48.827, 148.196** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **28, 47.843, 345.196**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 48.431, 148.412**, and **26, 42.608, 141.133** is the 20% darker color. If you saturate the color by 10%, you get **45, 53.160, 146.333**, and if you desaturate by 10%, it is **45, 43.882, 149.886**.

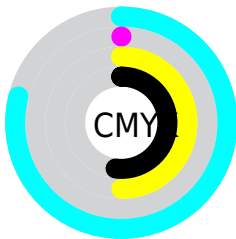
Distribution



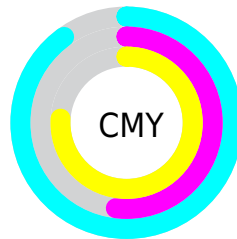
- Red (10%)
- Green (48%)
- Blue (24%)



- Red (10%)
- Yellow (38%)
- Blue (48%)



- Cyan (79%)
- Magenta (0%)
- Yellow (50%)
- Black (52%)



- Cyan (90%)
- Magenta (52%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 48.827, 148.196 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, 48.827, 148.196 by changing the saturation by 10% instead.


 45, 48.827,
148.196

 45, 48.827,
148.196


 100, 48.827,
148.196

 35, 48.827,
148.196

 65, 48.827,
148.196


 25, 48.827,
148.196

 75, 48.827,
148.196

 15, 48.827,
148.196

 85, 48.827,
148.196

 5, 48.827, 148.196

 95, 48.827,
148.196

 0, 48.827, 148.196

 45, 48.827,

 45, 48.827,

148.196

■ 45, 53.160,
146.333

■ 45, 56.987,
144.466

■ 44, 57.286,
144.330

148.196

■ 45, 43.882,
149.886

■ 46, 38.385,
151.393

■ 47, 32.429,
152.722

■ 47, 26.121,
153.890

■ 48, 19.573,
154.916

■ 49, 12.889,
155.823

■ 50, 6.159, 156.641

■ 51, 0.542, 336.843

Harmonies

Complementary

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



45, 48.827, 148.196



28, 47.843, 345.196

Rectangle

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



45, 48.827, 148.196



45, 48.827, 198.196



45, 48.827, 328.196



45, 48.827, 18.196

Sweetspot

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



45, 48.827, 148.196



62, 19.878, 155.349



47, 53.110, 121.300



31, 13.572, 155.082



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, 48.827, 148.196



57, 67.727, 144.733



46, 30.008, 181.292



25, 3.775, 156.651



45, 58.246, 144.278



87, 100.762, 143.055

Inverse Universe

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



28, 47.843, 345.196



35, 61.678, 348.805



27, 45.327, 23.288



24, 3.801, 337.847



26, 52.600, 349.361



55, 87.671, 350.943

Previews

White Background



This preview shows how the CIELCh color 45, 48.827, 148.196 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, 48.827, 148.196 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, 48.827, 148.196

Background



This preview shows how black text looks on a background with the CIELCh color 45, 48.827, 148.196.



This preview shows how white text looks on a background with the CIELCh color 45, 48.827, 148.196.

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, 48.827, 148.196

Protanopia

45, 29.580, 95.762

Deuteranopia

45, 24.118, 75.324



Tritanopia
45, 20.628, 214.365

Trichromacy



Original Color
45, 48.827, 148.196

Protanomaly
44, 33.660, 127.593

Deuteranomaly
44, 26.994, 123.919

Tritanomaly
45, 27.484, 175.951

Monochromacy



Original Color
45, 48.827, 148.196

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 19.844, 154.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 48.827, 148.196 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(25, 122, 61)` looks like.

```
.text, #text, p{  
    color:rgb(25, 122, 61)  
}
```

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(25, 122, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 122, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 48.827, 148.196 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(25, 122, 61) }
```

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

```
.border{ border-color:rgb(25, 122, 61) }
```

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

Here you see how a box with a 4 pixel rgb(25, 122, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 122, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 122, 61);  
box-shadow:4px 4px 4px 4px rgb(25, 122,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 48.827, 148.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 122, 61) }
```

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

```
.background{ background-color: rgb(25, 122,  
61) }
```

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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