

Converting Colors

CIELCh(45, 34.026, 172.050)

Have a look what the booklet for
CIELCh(45, 34.026, 172.050)
contains.

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Color

CIELCh(45, 34.147, 172.028)

Conversions

Conversions Part 1

Format	Color
Hex	0D7962
RGB	13, 121, 98
RGB Percent	5%, 47%, 38%
CMY	0.9486, 0.5270, 0.6171
CMYK	0.89, 0.00, 0.19, 0.53
HSL	167°, 80%, 26%
HSV	167°, 89%, 47%
XYZ	9.1450, 14.5417, 13.7894
YIQ	86.0860, -56.9850, -30.0490

Conversions

Conversions Part 2

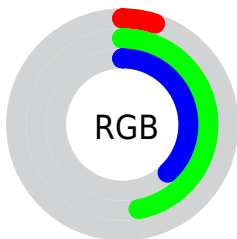
Format	Color
RYB	13, 73, 121
Decimal	883042
CIELab	45.00, -33.82, 4.74
CIELCh	45, 34.147, 172.028
Yxy	14.5417, 0.2440, 0.3880
Android (android.graphics.Color)	4279073122 (0xFF0D7962)
YUV	86.0860, 5.8736, -64.0964
Hunter-Lab	38.1336, -23.9269, 5.2538

Details

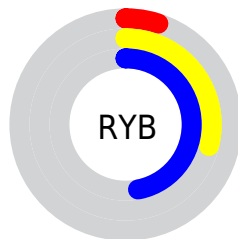
The CIELCh color **45, 34.147, 172.028** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 47.770, 21.204**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 34.096, 172.465**, and **26, 26.054, 166.947** is the 20% darker color. If you saturate the color by 10%, you get **45, 35.861, 170.377**, and if you desaturate by 10%, it is **45, 32.074, 173.606**.

Distribution



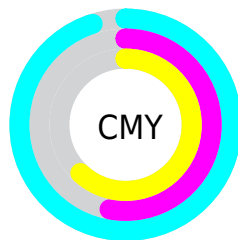
- Red (5%)
- Green (47%)
- Blue (38%)



- Red (5%)
- Yellow (29%)
- Blue (47%)



- Cyan (89%)
- Magenta (0%)
- Yellow (19%)
- Black (53%)




- Cyan (95%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 34.147, 172.028 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, 34.147, 172.028 by changing the saturation by 10% instead.

 45, 34.147,
172.028


 45, 34.147,
172.028


 100, 34.147,
172.028

 35, 34.147,
172.028

 65, 34.147,
172.028


 25, 34.147,
172.028

 75, 34.147,
172.028

 15, 34.147,
172.028

 85, 34.147,
172.028

 5, 34.147, 172.028

 95, 34.147,
172.028

 0, 34.147, 172.028

 45, 34.147,

 45, 34.147,

172.028

172.028

■ 45, 35.861,
170.377

■ 45, 32.074,
173.606

■ 45, 36.010,
170.240

■ 46, 29.463,
175.033

■ 46, 26.321,
176.326

■ 47, 22.687,
177.506

■ 47, 18.622,
178.594

■ 48, 14.200,
179.608

■ 49, 9.499, 180.567

■ 50, 4.595, 181.501

Harmonies

Complementary

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



45, 34.147, 172.028



25, 47.770, 21.204

Rectangle

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



45, 34.147, 172.028



45, 34.147, 222.028



45, 34.147, 352.028



45, 34.147, 42.028

Sweetspot

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



45, 34.147, 172.027



61, 16.257, 179.754



44, 63.466, 134.041



32, 10.978, 179.489



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, 34.147, 172.027



57, 43.584, 169.750



36, 25.483, 246.470



25, 2.869, 181.506



46, 36.971, 170.165



89, 63.125, 169.074

Inverse Universe

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



25, 47.770, 21.204



32, 63.258, 27.593



29, 47.561, 47.451



24, 2.965, 2.947



25, 53.437, 26.348



53, 92.311, 29.558

Previews

White Background



This preview shows how the CIELCh color 45, 34.147, 172.028 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, 34.147, 172.028 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, 34.147, 172.028

Background



This preview shows how black text looks on a background with the CIELCh color 45, 34.147, 172.028.



This preview shows how white text looks on a background with the CIELCh color 45, 34.147, 172.028.

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, 34.223, 172.075

Protanopia

45, 9.852, 93.398

Deuteranopia

45, 6.773, 20.209



Tritanopia
45, 23.640, 210.303

Trichromacy



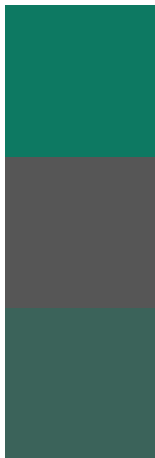
Original Color
45, 34.223, 172.075

Protanomaly
44, 17.808, 160.146

Deuteranomaly
44, 12.763, 172.822

Tritanomaly
45, 26.205, 193.944

Monochromacy



Original Color
45, 34.223, 172.075

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 16.452, 177.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 34.147, 172.028 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(13, 121, 98)` looks like.

```
.text, #text, p{  
    color:rgb(13, 121, 98)  
}
```

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(13, 121, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 121, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 34.147, 172.028 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(13, 121, 98) }
```

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

```
.border{ border-color:rgb(13, 121, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 121, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 121, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 121, 98);  
box-shadow:4px 4px 4px 4px rgb(13, 121,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 34.147, 172.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 121, 98) }
```

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

```
.background{ background-color: rgb(13, 121,  
98) }
```

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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