

Converting Colors

CIELCh(40, 83.415, 180.728)

Have a look what the booklet for
CIELCh(40, 83.415, 180.728)
contains.

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Color

CIELCh(45, 36.003, 169.972)

Conversions

Conversions Part 1

Format	Color
Hex	03795F
RGB	3, 121, 95
RGB Percent	1%, 47%, 37%
CMY	0.9889, 0.5251, 0.6274
CMYK	0.98, 0.00, 0.22, 0.53
HSL	167°, 95%, 24%
HSV	167°, 98%, 47%
XYZ	8.9505, 14.5417, 13.1674
YIQ	82.7540, -61.9820, -33.1020

Conversions

Conversions Part 2

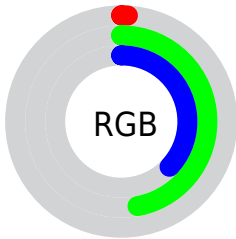
Format	Color
RYB	3, 69, 121
Decimal	227679
CIELab	45.00, -35.45, 6.27
CIELCh	45, 36.003, 169.972
Yxy	14.5417, 0.2442, 0.3967
Android (android.graphics.Color)	4278417759 (0xFF03795F)
YUV	82.7540, 6.0373, -69.9443
Hunter-Lab	38.1336, -24.8373, 6.2208

Details

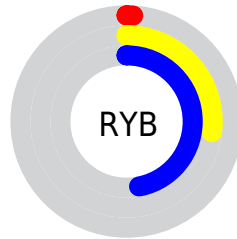
The CIELCh color **45, 36.003, 169.972** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 51.021, 24.620**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 36.005, 169.785**, and **26, 27.350, 163.619** is the 20% darker color. If you saturate the color by 10%, you get **45, 36.415, 169.594**, and if you desaturate by 10%, it is **45, 34.228, 171.656**.

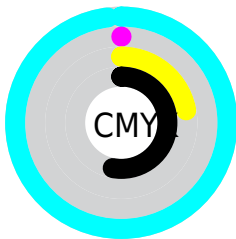
Distribution



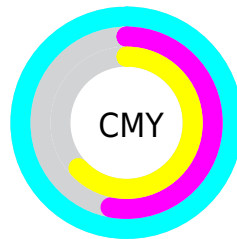
- Red (1%)
- Green (47%)
- Blue (37%)



- Red (1%)
- Yellow (27%)
- Blue (47%)



- Cyan (98%)
- Magenta (0%)
- Yellow (22%)
- Black (53%)





- Cyan (99%)
- Magenta (53%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 36.003, 169.972 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, 36.003, 169.972 by changing the saturation by 10% instead.


 45, 36.003,
169.972


 45, 36.003,
169.972


 100, 36.003,
169.972


 35, 36.003,
169.972

 65, 36.003,
169.972


 25, 36.003,
169.972

 75, 36.003,
169.972

 15, 36.003,
169.972

 85, 36.003,
169.972

 5, 36.003, 169.972

 95, 36.003,
169.972

 0, 36.003, 169.972

 45, 36.003,

 45, 36.003,

169.972

169.972

■ 45, 36.415,
169.594

■ 45, 34.228,
171.656

■ 45, 32.033,
173.235

■ 46, 29.299,
174.662

■ 46, 26.038,
175.954

■ 47, 22.292,
177.134

■ 47, 18.127,
178.222

■ 48, 13.619,
179.235

■ 49, 8.846, 180.194

Harmonies

Complementary

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



45, 36.003, 169.972



24, 51.021, 24.620

Rectangle

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



45, 36.003, 169.972



45, 36.003, 219.972



45, 36.003, 349.972



45, 36.003, 39.972

Sweetspot

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



45, 36.003, 169.971



62, 17.689, 179.031



44, 66.292, 133.842



31, 11.980, 178.684



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, 36.003, 169.971



58, 44.497, 169.077



35, 26.272, 246.812



25, 2.878, 181.000



46, 37.277, 169.527



89, 63.679, 168.420

Inverse Universe

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



24, 51.021, 24.620



33, 63.796, 27.148



27, 52.661, 46.241



24, 2.972, 2.448



25, 53.230, 25.814



53, 91.903, 29.044

Previews

White Background



This preview shows how the CIELCh color 45, 36.003, 169.972 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, 36.003, 169.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

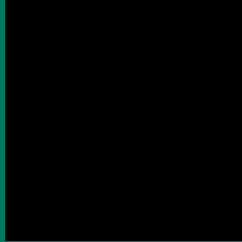
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.003, 169.972

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.003, 169.972.



This preview shows how white text looks on a background with the CIELCh color 45, 36.003, 169.972.

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, 35.955, 170.003

Protanopia
45, 11.579, 95.365

Deuteranopia
45, 7.503, 33.930



Tritanopia
45, 23.797, 210.199

Trichromacy



Original Color
45, 35.955, 170.003

Protanomaly
43, 20.172, 158.558

Deuteranomaly
43, 14.367, 170.293

Tritanomaly
45, 26.898, 192.644

Monochromacy



Original Color
45, 35.955, 170.003

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 17.663, 176.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.003, 169.972 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(3, 121, 95)` looks like.

```
.text, #text, p{  
    color:rgb(3, 121, 95)  
}
```

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(3, 121, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 121, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.003, 169.972 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(3, 121, 95) }
```

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

```
.border{ border-color:rgb(3, 121, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 121, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 121, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 121, 95);  
box-shadow:4px 4px 4px 4px rgb(3, 121, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.003, 169.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 121, 95) }
```

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

```
.background{ background-color: rgb(3, 121,  
95) }
```

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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