

Converting Colors

CIELCh(45, 41.015, 152.605)

Have a look what the booklet for
CIELCh(45, 41.015, 152.605)
contains.

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Color

CIELCh(45, 40.886, 152.761)

Conversions

Conversions Part 1

Format	Color
Hex	26794A
RGB	38, 121, 74
RGB Percent	15%, 47%, 29%
CMY	0.8516, 0.5260, 0.7103
CMYK	0.69, 0.00, 0.39, 0.53
HSL	146°, 52%, 31%
HSV	146°, 69%, 47%
XYZ	8.8448, 14.5417, 8.7962
YIQ	90.8250, -34.3810, -32.2130

Conversions

Conversions Part 2

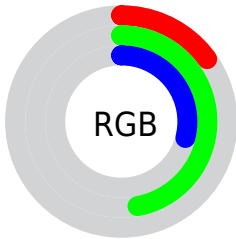
Format	Color
R_{YB}	38, 96, 121
Decimal	2521418
CIE _{Lab}	45.00, -36.35, 18.71
CIE _{LCh}	45, 40.886, 152.761
Yxy	14.5417, 0.2748, 0.4518
Android (android.graphics.Color)	4280711498 (0xFF26794A)
YUV	90.8250, -8.2947, -46.3275
Hunter-Lab	38.1336, -25.3321, 13.0171

Details

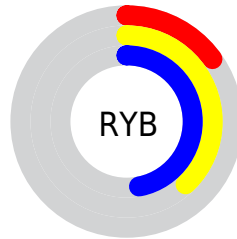
The CIELCh color **45, 40.886, 152.761** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **30, 41.849, 347.461**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 40.771, 152.632**, and **26, 36.577, 147.618** is the 20% darker color. If you saturate the color by 10%, you get **45, 45.508, 151.049**, and if you desaturate by 10%, it is **46, 35.751, 154.284**.

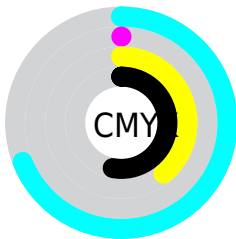
Distribution



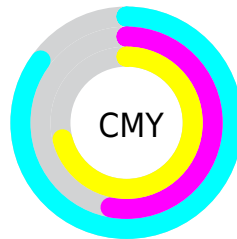
- Red (15%)
- Green (47%)
- Blue (29%)



- Red (15%)
- Yellow (38%)
- Blue (47%)



- Cyan (69%)
- Magenta (0%)
- Yellow (39%)
- Black (53%)





- Cyan (85%)
- Magenta (53%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 40.886, 152.761 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, 40.886, 152.761 by changing the saturation by 10% instead.


 45, 40.886,
152.761


 45, 40.886,
152.761


 100, 40.886,
152.761


 35, 40.886,
152.761

 65, 40.886,
152.761


 25, 40.886,
152.761

 75, 40.886,
152.761

 15, 40.886,
152.761

 85, 40.886,
152.761

 5, 40.886, 152.761

 95, 40.886,
152.761

 0, 40.886, 152.761

 45, 40.886,

 45, 40.886,

152.761

152.761

■ 45, 45.508,
151.049

■ 46, 35.751,
154.284

■ 44, 49.569,
149.148

■ 46, 30.181,
155.629

■ 44, 53.182,
147.201

■ 47, 24.274,
156.816

■ 44, 53.643,
146.969

■ 48, 18.129,
157.867

■ 49, 11.844,
158.803

■ 50, 5.503, 159.657

■ 51, 0.825, 340.033

■ 52, 7.085, 340.990

■ 54, 13.234,

341.622

Harmonies

Complementary

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



45, 40.886, 152.761



30, 41.849, 347.461

Rectangle

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



45, 40.886, 152.761



45, 40.886, 202.761



45, 40.886, 332.761



45, 40.886, 22.761

Sweetspot

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



45, 40.886, 152.761



62, 16.566, 158.548



47, 48.097, 123.894



32, 11.146, 158.348



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, 40.886, 152.761



57, 58.041, 150.053



46, 26.111, 189.306



25, 3.600, 159.625



46, 55.039, 146.885



87, 95.240, 145.603

Inverse Universe

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



30, 41.849, 347.461



36, 57.363, 350.435



28, 40.095, 24.496



24, 3.633, 340.893



26, 51.095, 354.631



55, 85.310, 356.649

Previews

White Background



This preview shows how the CIELCh color 45, 40.886, 152.761 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, 40.886, 152.761 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, 40.886, 152.761

Background



This preview shows how black text looks on a background with the CIELCh color 45, 40.886, 152.761.



This preview shows how white text looks on a background with the CIELCh color 45, 40.886, 152.761.

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, 40.886, 152.761

Protanopia

45, 22.756, 96.364

Deuteranopia

45, 17.748, 69.831



Tritanopia
45, 19.704, 213.413

Trichromacy



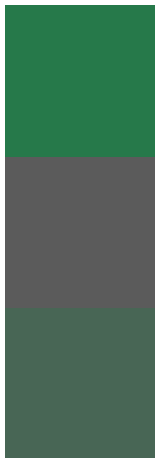
Original Color
45, 40.886, 152.761

Protanomaly
44, 26.293, 130.382

Deuteranomaly
44, 20.057, 126.647

Tritanomaly
45, 24.341, 180.952

Monochromacy



Original Color
45, 40.886, 152.761

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 16.168, 157.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 40.886, 152.761 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(38, 121, 74)` looks like.

```
.text, #text, p{  
    color:rgb(38, 121, 74)  
}
```

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(38, 121, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 121, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 40.886, 152.761 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(38, 121, 74) }
```

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

```
.border{ border-color:rgb(38, 121, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 121, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 121, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 121, 74);  
box-shadow:4px 4px 4px 4px rgb(38, 121,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 40.886, 152.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 121, 74) }
```

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

```
.background{ background-color: rgb(38, 121,  
74) }
```

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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