

Converting Colors

CIELCh(45, 36.246, 156.139)

Have a look what the booklet for
CIELCh(45, 36.246, 156.139)
contains.

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Color

CIELCh(45, 36.246, 156.139)

Conversions

Conversions Part 1

Format	Color
Hex	2C7851
RGB	44, 120, 81
RGB Percent	17%, 47%, 32%
CMY	0.8278, 0.5297, 0.6826
CMYK	0.63, 0.00, 0.33, 0.53
HSL	149°, 46%, 32%
HSV	149°, 63%, 47%
XYZ	9.2253, 14.5417, 10.0917
YIQ	92.8300, -32.7770, -28.2410

Conversions

Conversions Part 2

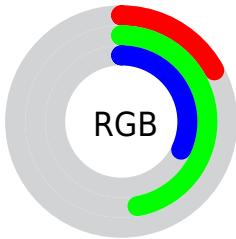
Format	Color
RYB	44, 95, 120
Decimal	2914385
CIELab	45.00, -33.15, 14.66
CIELCh	45, 36.246, 156.139
Yxy	14.5417, 0.2725, 0.4295
Android (android.graphics.Color)	4281104465 (0xFF2C7851)
YUV	92.8300, -5.8322, -42.8239
Hunter-Lab	38.1336, -23.5508, 11.0030

Details

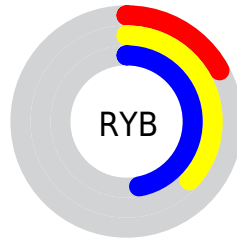
The CIELCh color **45, 36.246, 156.139** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **30, 38.059, 349.923**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 36.043, 156.393**, and **26, 33.331, 152.204** is the 20% darker color. If you saturate the color by 10%, you get **45, 40.838, 154.516**, and if you desaturate by 10%, it is **46, 31.193, 157.579**.

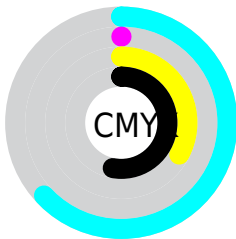
Distribution



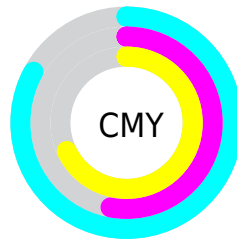
- Red (17%)
- Green (47%)
- Blue (32%)



- Red (17%)
- Yellow (37%)
- Blue (47%)



- Cyan (63%)
- Magenta (0%)
- Yellow (33%)
- Black (53%)





- Cyan (83%)
- Magenta (53%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 36.246, 156.139 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, 36.246, 156.139 by changing the saturation by 10% instead.


 45, 36.246,
156.139


 45, 36.246,
156.139


 100, 36.246,
156.139


 35, 36.246,
156.139

 65, 36.246,
156.139


 25, 36.246,
156.139

 75, 36.246,
156.139

 15, 36.246,
156.139

 85, 36.246,
156.139

 5, 36.246, 156.139

 95, 36.246,
156.139

 0, 36.246, 156.139

 45, 36.246,

 45, 36.246,

156.139

156.139

■ 45, 40.838,
154.516

■ 46, 31.193,
157.579

■ 44, 44.910,
152.699

■ 46, 25.758,
158.854

■ 44, 48.452,
150.700

■ 47, 20.035,
159.987

■ 44, 50.669,
149.438

■ 48, 14.119,
160.999

■ 49, 8.095, 161.915

■ 50, 2.038, 162.831

■ 51, 3.992, 343.368

■ 53, 9.946, 344.088

■ 54, 15.792,
344.725

Harmonies

Complementary

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



45, 36.246, 156.139



30, 38.059, 349.923

Rectangle

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



45, 36.246, 156.139



45, 36.246, 206.139



45, 36.246, 336.139



45, 36.246, 26.139

Sweetspot

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



45, 36.247, 156.139



62, 14.215, 161.367



46, 45.269, 125.828



32, 9.853, 161.147



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, 36.247, 156.139



57, 51.604, 153.724



46, 24.040, 195.029



25, 3.464, 162.291



46, 52.296, 149.332



88, 90.453, 148.021

Inverse Universe

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



30, 38.059, 349.923



36, 53.224, 352.800



29, 37.279, 26.492



24, 3.503, 343.619



26, 50.259, 359.276



54, 84.155, 1.652

Previews

White Background



This preview shows how the CIELCh color 45, 36.246, 156.139 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, 36.246, 156.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

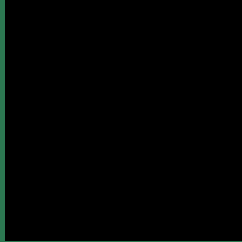
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.246, 156.139

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.246, 156.139.



This preview shows how white text looks on a background with the CIELCh color 45, 36.246, 156.139.

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, 36.246, 156.139

Protanopia
45, 18.683, 96.270

Deuteranopia
45, 13.941, 66.135



Tritanopia
45, 19.243, 213.850

Trichromacy



Original Color
45, 36.246, 156.139

Protanomaly
44, 22.240, 132.699

Deuteranomaly
44, 16.201, 131.526

Tritanomaly
45, 22.901, 183.211

Monochromacy



Original Color
45, 36.246, 156.139

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 14.319, 161.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.246, 156.139 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(44, 120, 81)` looks like.

```
.text, #text, p{  
    color:rgb(44, 120, 81)  
}
```

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(44, 120, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 120, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.246, 156.139 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(44, 120, 81) }
```

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

```
.border{ border-color:rgb(44, 120, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 120, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 120, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 120, 81);  
box-shadow:4px 4px 4px 4px rgb(44, 120,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.246, 156.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 120, 81) }
```

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

```
.background{ background-color: rgb(44, 120,  
81) }
```

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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