

Converting Colors

CIELCh(45, 36.501, 160.046)

Have a look what the booklet for
CIELCh(45, 36.501, 160.046)
contains.

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Color

CIELCh(45, 36.115, 160.492)

Conversions

Conversions Part 1

Format	Color
Hex	237855
RGB	35, 120, 85
RGB Percent	14%, 47%, 33%
CMY	0.8611, 0.5281, 0.6654
CMYK	0.71, 0.00, 0.29, 0.53
HSL	155°, 55%, 31%
HSV	155°, 71%, 47%
XYZ	9.1181, 14.5417, 10.9873
YIQ	90.5950, -39.4250, -28.9050

Conversions

Conversions Part 2

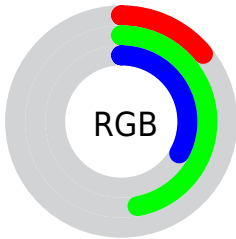
Format	Color
RYB	35, 89, 120
Decimal	2324565
CIELab	45.00, -34.04, 12.06
CIELCh	45, 36.115, 160.492
Yxy	14.5417, 0.2632, 0.4197
Android (android.graphics.Color)	4280514645 (0xFF237855)
YUV	90.5950, -2.7583, -48.7568
Hunter-Lab	38.1336, -24.0528, 9.6105

Details

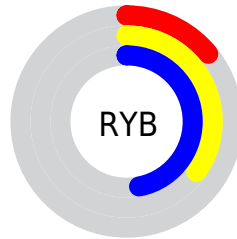
The CIELCh color **45, 36.115, 160.492** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **29, 39.930, 358.433**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 36.113, 160.766**, and **25, 30.865, 155.792** is the 20% darker color. If you saturate the color by 10%, you get **45, 39.789, 158.737**, and if you desaturate by 10%, it is **45, 31.942, 162.059**.

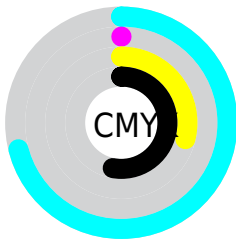
Distribution



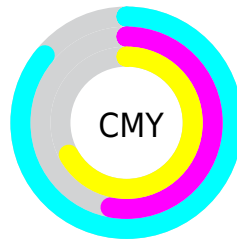
- Red (14%)
- Green (47%)
- Blue (33%)



- Red (14%)
- Yellow (35%)
- Blue (47%)



- Cyan (71%)
- Magenta (0%)
- Yellow (29%)
- Black (53%)





- Cyan (86%)
- Magenta (53%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 36.115, 160.492 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, 36.115, 160.492 by changing the saturation by 10% instead.


 45, 36.115,
160.492


 45, 36.115,
160.492


 100, 36.115,
160.492


 35, 36.115,
160.492


 65, 36.115,
160.492


 25, 36.115,
160.492


 75, 36.115,
160.492

 15, 36.115,
160.492

 85, 36.115,
160.492

 5, 36.115, 160.492

 95, 36.115,
160.492

 0, 36.115, 160.492

 45, 36.115,

 45, 36.115,

160.492

160.492

■ 45, 39.789,
158.737

■ 45, 31.942,
162.059

■ 44, 42.944,
156.789

■ 46, 27.321,
163.457

■ 44, 45.644,
154.936

■ 47, 22.328,
164.708

■ 48, 17.048,
165.833

■ 48, 11.567,
166.857

■ 49, 5.965, 167.806

■ 51, 0.313, 169.570

■ 52, 5.334, 349.337

■ 53, 10.931,

Harmonies

Complementary

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



45, 36.115, 160.492



29, 39.930, 358.433

Rectangle

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



45, 36.115, 160.492



45, 36.115, 210.492



45, 36.115, 340.492



45, 36.115, 30.492

Sweetspot

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



45, 36.115, 160.491



61, 14.567, 166.763



46, 51.123, 129.076



32, 9.921, 166.544



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, 36.115, 160.491



57, 50.469, 157.493



44, 23.307, 207.579



25, 3.227, 167.945



46, 46.975, 154.839



88, 81.053, 153.520

Inverse Universe

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



29, 39.930, 358.433



34, 54.927, 3.401



29, 40.373, 33.796



24, 3.282, 349.373



26, 49.805, 8.591



54, 84.148, 11.559

Previews

White Background



This preview shows how the CIELCh color 45, 36.115, 160.492 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, 36.115, 160.492 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, 36.115, 160.492

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.115, 160.492.



This preview shows how white text looks on a background with the CIELCh color 45, 36.115, 160.492.

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, 36.115, 160.492

Protanopia

45, 16.391, 95.145

Deuteranopia

45, 11.849, 60.591



Tritanopia
45, 20.628, 214.365

Trichromacy



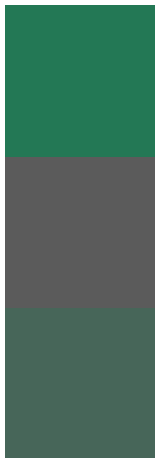
Original Color
45, 36.115, 160.492

Protanomaly
44, 20.998, 139.342

Deuteranomaly
44, 14.687, 139.548

Tritanomaly
45, 23.798, 188.053

Monochromacy



Original Color
45, 36.115, 160.492

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 14.887, 165.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.115, 160.492 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(35, 120, 85)` looks like.

```
.text, #text, p{  
    color:rgb(35, 120, 85)  
}
```

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(35, 120, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 120, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.115, 160.492 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(35, 120, 85) }
```

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

```
.border{ border-color:rgb(35, 120, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 120, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 120, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 120, 85);  
box-shadow:4px 4px 4px 4px rgb(35, 120,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.115, 160.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 120, 85) }
```

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

```
.background{ background-color: rgb(35, 120,  
85) }
```

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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