

Converting Colors

CIELCh(45, 39.283, 106.715)

Have a look what the booklet for
CIELCh(45, 39.283, 106.715)
contains.

CIELCh(45, 39.203, 106.711)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 39.203, 106.711)

Conversions

Conversions Part 1

Format	Color
Hex	6B6E28
RGB	107, 110, 40
RGB Percent	42%, 43%, 16%
CMY	0.5788, 0.5671, 0.8417
CMYK	0.03, 0.00, 0.63, 0.57
HSL	63°, 46%, 30%
HSV	63°, 63%, 43%
XYZ	12.1189, 14.5417, 4.2091
YIQ	101.1230, 20.6820, -22.4060

Conversions

Conversions Part 2

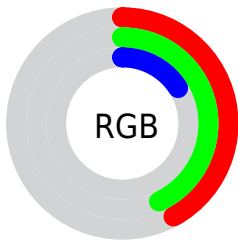
Format	Color
R _Y B	40, 110, 43
Decimal	7040552
CIE Lab	45.00, -11.27, 37.55
CIE LCh	45, 39.203, 106.711
Yxy	14.5417, 0.3926, 0.4711
Android (android.graphics.Color)	4285230632 (0xFF6B6E28)
YUV	101.1230, -30.1336, 5.1541
Hunter-Lab	38.1336, -10.0063, 20.1492

Details

The CIELCh color $45, 39.203, 106.711$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $21, 46.812, 300.471$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 38.832, 106.628$, and $25, 35.326, 108.248$ is the 20% darker color. If you saturate the color by 10%, you get $45, 44.035, 106.133$, and if you desaturate by 10%, it is $45, 33.716, 107.411$.

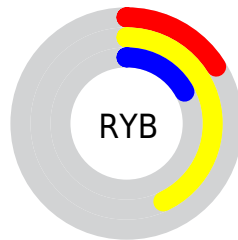
Distribution



Red (42%)

Green (43%)

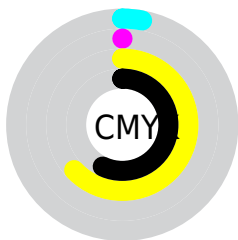
Blue (16%)



Red (16%)

Yellow (43%)

Blue (17%)

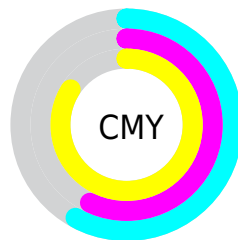


Cyan (3%)

Magenta (0%)

Yellow (63%)

Black (57%)



Cyan (58%)


Magenta (57%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 39.203, 106.711 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, 39.203, 106.711 by changing the saturation by 10% instead.


 45, 39.203,
106.711


 45, 39.203,
106.711


 100, 39.203,
106.711


 35, 39.203,
106.711

 65, 39.203,
106.711


 25, 39.203,
106.711

 75, 39.203,
106.711

 15, 39.203,
106.711

 85, 39.203,
106.711

 5, 39.203, 106.711

 95, 39.203,
106.711

 0, 39.203, 106.711

 45, 39.203,

 45, 39.203,

106.711

106.711

■ 45, 44.035,
106.133

■ 45, 33.716,
107.411

■ 45, 47.938,
105.715

■ 45, 27.793,
108.188

■ 45, 50.701,
105.492

■ 46, 21.592,
109.014

■ 45, 52.362,
105.368

■ 46, 15.221,
109.863

■ 46, 8.752, 110.718

■ 46, 2.232, 111.556

■ 47, 4.309, 292.409

■ 47, 10.846,
293.211

■ 48, 17.366,

Harmonies

Complementary

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



45, 39.203, 106.711



21, 46.812, 300.471

Rectangle

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



45, 39.203, 106.711



45, 39.203, 156.711



45, 39.203, 286.711



45, 39.203, 336.711

Sweetspot

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



45, 39.203, 106.713



59, 15.274, 110.199



27, 34.286, 29.315



30, 10.430, 110.013



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 39.203, 106.713



57, 55.303, 105.919



42, 42.965, 127.589



23, 3.719, 111.092



48, 55.525, 105.390



94, 94.843, 105.534

Inverse Universe

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



21, 46.812, 300.471



22, 70.094, 303.185



25, 46.636, 313.064



21, 3.795, 292.669



12, 76.303, 306.498



31, 130.575, 306.374

Previews

White Background



This preview shows how the CIELCh color 45, 39.203, 106.711 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, 39.203, 106.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

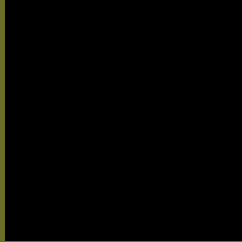
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

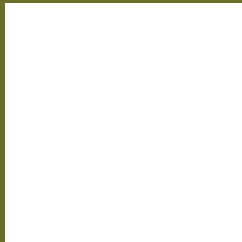
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 39.203, 106.711

Background



This preview shows how black text looks on a background with the CIELCh color 45, 39.203, 106.711.



This preview shows how white text looks on a background with the CIELCh color 45, 39.203, 106.711.

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, 39.203, 106.711

Protanopia

45, 38.795, 95.989

Deuteranopia

45, 37.186, 81.005



Tritanopia
45, 6.586, 333.781

Trichromacy



Original Color
45, 39.203, 106.711

Protanomaly
45, 38.442, 99.624

Deuteranomaly
45, 36.782, 90.349

Tritanomaly
45, 12.735, 96.339

Monochromacy



Original Color
45, 39.203, 106.711

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 14.845, 109.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 39.203, 106.711 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(107, 110, 40)` looks like.

```
.text, #text, p{  
    color:rgb(107, 110, 40)  
}
```

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(107, 110, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 110, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 39.203, 106.711 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(107, 110, 40) }
```

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

```
.border{ border-color:rgb(107, 110, 40) }
```

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

Here you see how a box with a 4 pixel rgb(107, 110, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 110, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 110, 40);  
box-shadow:4px 4px 4px 4px rgb(107, 110,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 39.203, 106.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 110, 40) }
```

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

```
.background{ background-color: rgb(107,  
110, 40) }
```

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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