

Converting Colors

CIELCh(45, 38.946, 105.076)

Have a look what the booklet for
CIELCh(45, 38.946, 105.076)
contains.

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Color

CIELCh(45, 39.181, 105.315)

Conversions

Conversions Part 1

Format	Color
Hex	6D6E28
RGB	109, 110, 40
RGB Percent	43%, 43%, 16%
CMY	0.5728, 0.5688, 0.8433
CMYK	0.01, 0.00, 0.64, 0.57
HSL	61°, 47%, 29%
HSV	61°, 64%, 43%
XYZ	12.2529, 14.5417, 4.1641
YIQ	101.7210, 21.8740, -21.9820

Conversions

Conversions Part 2

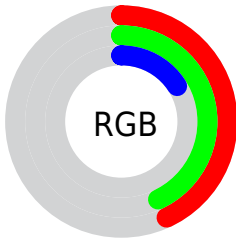
Format	Color
R_{YB}	40, 110, 41
Decimal	7171624
CIE _{Lab}	45.00, -10.35, 37.79
CIE _{LCh}	45, 39.181, 105.315
Yxy	14.5417, 0.3958, 0.4697
Android (android.graphics.Color)	4285361704 (0xFF6D6E28)
YUV	101.7210, -30.4285, 6.3837
Hunter-Lab	38.1336, -9.3793, 20.2192

Details

The CIELCh color **45, 39.181, 105.315** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **20, 46.894, 299.942**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 38.833, 105.343**, and **25, 35.245, 106.521** is the 20% darker color. If you saturate the color by 10%, you get **45, 43.974, 104.684**, and if you desaturate by 10%, it is **45, 33.727, 106.060**.

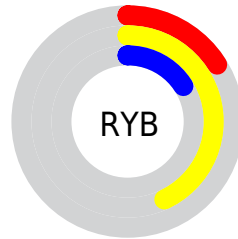
Distribution



Red (43%)

Green (43%)

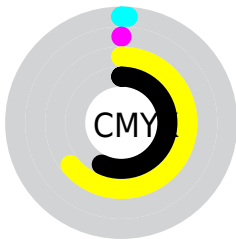
Blue (16%)



Red (16%)

Yellow (43%)

Blue (16%)

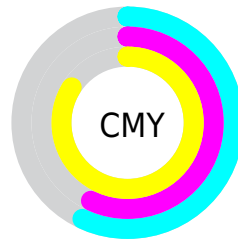


Cyan (1%)

Magenta (0%)

Yellow (64%)

Black (57%)



Cyan (57%)


Magenta (57%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 39.181, 105.315 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, 39.181, 105.315 by changing the saturation by 10% instead.


 45, 39.181,
105.315


 45, 39.181,
105.315


 100, 39.181,
105.315


 35, 39.181,
105.315

 65, 39.181,
105.315


 25, 39.181,
105.315

 75, 39.181,
105.315

 15, 39.181,
105.315

 85, 39.181,
105.315

 5, 39.181, 105.315

 95, 39.181,
105.315

 0, 39.181, 105.315

 45, 39.181,

 45, 39.181,

105.315

■ 45, 43.974,
104.684

■ 45, 47.834,
104.197

■ 45, 50.561,
103.882

■ 45, 52.155,
103.702

105.315

■ 45, 33.727,
106.060

■ 45, 27.834,
106.878

■ 45, 21.661,
107.743

■ 46, 15.317,
108.632

■ 46, 8.874, 109.527

■ 46, 2.380, 110.405

■ 47, 4.135, 291.304

■ 47, 10.648,
292.148

■ 47, 17.144,

Harmonies

Complementary

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



45, 39.181, 105.315



20, 46.894, 299.942

Rectangle

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



45, 39.181, 105.315



45, 39.181, 155.315



45, 39.181, 285.315



45, 39.181, 335.315

Sweetspot

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



45, 39.181, 105.317



59, 15.264, 109.004



27, 35.103, 27.558



30, 10.424, 108.810



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, 39.181, 105.317



57, 55.263, 104.451



42, 42.567, 126.429



23, 3.716, 109.939



49, 55.461, 103.710



94, 94.721, 103.759

Inverse Universe

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



20, 46.894, 299.942



22, 70.219, 302.823



24, 46.616, 312.095



21, 3.792, 291.599



12, 76.476, 306.358



31, 130.700, 306.317

Previews

White Background



This preview shows how the CIELCh color 45, 39.181, 105.315 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, 39.181, 105.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

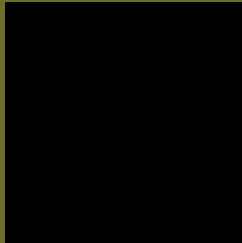
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 39.181, 105.315

Background



This preview shows how black text looks on a background with the CIELCh color 45, 39.181, 105.315.



This preview shows how white text looks on a background with the CIELCh color 45, 39.181, 105.315.

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, 39.181, 105.315

Protanopia

45, 38.795, 95.989

Deuteranopia

45, 37.186, 81.005



Tritanopia
45, 7.174, 338.684

Trichromacy



Original Color
45, 39.181, 105.315

Protanomaly
45, 38.913, 99.613

Deuteranomaly
45, 36.927, 89.619

Tritanomaly
45, 12.837, 94.391

Monochromacy



Original Color
45, 39.181, 105.315

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 15.422, 107.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 39.181, 105.315 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(109, 110, 40)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 110, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 110, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 39.181, 105.315 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(109, 110, 40) }
```

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

```
.border{ border-color:rgb(109, 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(109, 110, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 110, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 110, 40);  
box-shadow:4px 4px 4px 4px rgb(109, 110,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 39.181, 105.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 110, 40) }
```

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

```
.background{ background-color: rgb(109,  
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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