

Converting Colors

CIELCh(45, 69.831, 91.265)

Have a look what the booklet for
CIELCh(45, 69.831, 91.265) contains.

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Color

CIELCh(45, 51.773, 90.612)

Conversions

Conversions Part 1

Format	Color
Hex	7F6900
RGB	127, 105, 0
RGB Percent	50%, 41%, 0%
CMY	0.5031, 0.5892, 1.0000
CMYK	0.00, 0.17, 1.00, 0.50
HSL	50°, 100%, 25%
HSV	50°, 100%, 50%
XYZ	13.7344, 14.5417, 2.0728
YIQ	99.6080, 46.8170, -27.9910

Conversions

Conversions Part 2

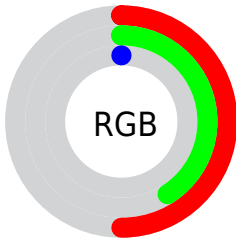
Format	Color
R_{YB}	27, 127, 0
Decimal	8349952
CIE Lab	45.00, -0.55, 51.77
CIE LCh	45, 51.773, 90.612
Yxy	14.5417, 0.4526, 0.4792
Android (android.graphics.Color)	4286540032 (0xFF7F6900)
YUV	99.6080, -49.1067, 24.0228
Hunter-Lab	38.1336, -2.4441, 23.4708

Details

The CIELCh color **45, 51.773, 90.612** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **16, 69.759, 302.465**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 51.727, 90.912**, and **25, 34.199, 89.109** is the 20% darker color. If you saturate the color by 10%, you get **45, 51.688, 90.607**, and if you desaturate by 10%, it is **46, 49.274, 91.786**.

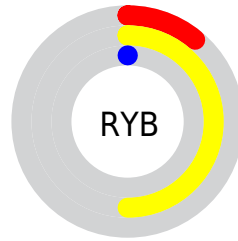
Distribution



Red (50%)

Green (41%)

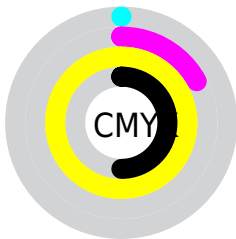
Blue (0%)



Red (11%)

Yellow (50%)

Blue (0%)

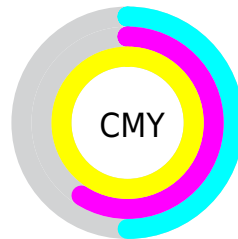


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (50%)



Cyan (50%)

Magenta (59%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 51.773, 90.612 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, 51.773, 90.612 by changing the saturation by 10% instead.

 45, 51.773, 90.612

 45, 51.773, 90.612

 100, 51.773,
90.612

 35, 51.773, 90.612

 65, 51.773, 90.612

 25, 51.773, 90.612

 75, 51.773, 90.612

 15, 51.773, 90.612

 85, 51.773, 90.612

 5, 51.773, 90.612

 95, 51.773, 90.612

 0, 51.773, 90.612

 45, 51.773, 90.612

 45, 51.773, 90.612

 45, 51.688, 90.607

 46, 49.274, 91.786

 46, 45.978, 92.958

■ 47, 41.498, 94.108

■ 48, 36.235, 95.254

■ 49, 30.506, 96.402

■ 49, 24.522, 97.546

■ 50, 18.415, 98.681

■ 51, 12.263, 99.796

■ 52, 6.114, 100.881

Harmonies

Complementary

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



45, 51.773, 90.612



16, 69.759, 302.465

Rectangle

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



45, 51.773, 90.612



45, 51.773, 140.612



45, 51.773, 270.612



45, 51.773, 320.612

Sweetspot

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



45, 51.688, 90.607



65, 22.937, 98.599



25, 55.024, 28.777



33, 15.768, 98.198



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 51.688, 90.607



58, 62.738, 90.270



48, 60.997, 120.203



26, 3.462, 100.976



45, 51.915, 90.598



0, 0.000, 0.000

Inverse Universe

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



16, 69.759, 302.465



22, 86.559, 303.063



15, 76.812, 308.855



25, 3.506, 282.994



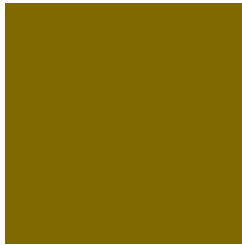
16, 70.107, 302.481



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 51.773, 90.612 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, 51.773, 90.612 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, 51.773, 90.612

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.773, 90.612.



This preview shows how white text looks on a background with the CIELCh color 45, 51.773, 90.612.

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, 51.773, 90.612

Protanopia

45, 50.481, 95.108

Deuteranopia

45, 49.793, 83.253



Tritanopia
45, 15.528, 3.838

Trichromacy



Original Color
45, 51.773, 90.612

Protanomaly
45, 50.858, 93.381

Deuteranomaly
45, 50.298, 85.727

Tritanomaly
45, 24.516, 71.951

Monochromacy



Original Color
45, 51.773, 90.612

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 22.839, 97.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.773, 90.612 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(127, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 105, 0)  
}
```

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(127, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 105, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.773, 90.612 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(127, 105, 0) }
```

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

```
.border{ border-color:rgb(127, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 105,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.773, 90.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 105, 0) }
```

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

```
.background{ background-color: rgb(127,  
105, 0) }
```

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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