

Converting Colors

CIELCh(45, 50.659, 75.213)

Have a look what the booklet for
CIELCh(45, 50.659, 75.213) contains.

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Color

CIELCh(45, 50.739, 75.164)

Conversions

Conversions Part 1

Format	Color
Hex	91610F
RGB	145, 97, 15
RGB Percent	57%, 38%, 6%
CMY	0.4323, 0.6204, 0.9423
CMYK	0.00, 0.33, 0.90, 0.43
HSL	38°, 82%, 31%
HSV	38°, 90%, 57%
XYZ	15.9732, 14.5417, 2.4062
YIQ	102.0040, 54.9300, -15.3260

Conversions

Conversions Part 2

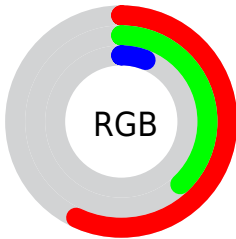
Format	Color
RYB	91, 145, 15
Decimal	9527567
CIELab	45.00, 12.99, 49.05
CIElCh	45, 50.739, 75.164
Yxy	14.5417, 0.4852, 0.4417
Android (android.graphics.Color)	4287717647 (0xFF91610F)
YUV	102.0040, -42.8930, 37.7075
Hunter-Lab	38.1336, 8.0353, 22.9523

Details

The CIELCh color **45, 50.739, 75.164** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **29, 52.719, 290.081**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 50.829, 75.577**, and **25, 37.551, 69.203** is the 20% darker color. If you saturate the color by 10%, you get **44, 54.052, 72.996**, and if you desaturate by 10%, it is **46, 46.433, 77.110**.

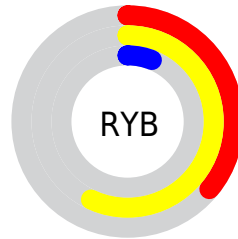
Distribution



Red (57%)

Green (38%)

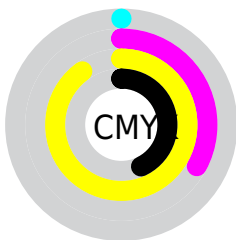
Blue (6%)



Red (36%)

Yellow (57%)

Blue (6%)

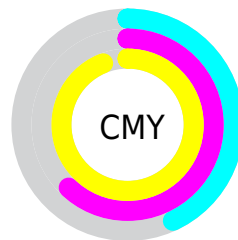


Cyan (0%)

Magenta (33%)

Yellow (90%)

Black (43%)



Cyan (43%)

Magenta (62%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 50.739, 75.164 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, 50.739, 75.164 by changing the saturation by 10% instead.

■ 45, 50.739, 75.164

■ 45, 50.739, 75.164

■ 100, 50.739,
75.164

■ 35, 50.739, 75.164

■ 65, 50.739, 75.164

■ 25, 50.739, 75.164

■ 75, 50.739, 75.164

■ 15, 50.739, 75.164

■ 85, 50.739, 75.164

■ 5, 50.739, 75.164

■ 95, 50.739, 75.164

■ 0, 50.739, 75.164

■ 45, 50.739, 75.164

■ 45, 50.739, 75.164

■ 44, 54.052, 72.996

■ 46, 46.433, 77.110

■ 44, 54.113, 72.964

■ 48, 41.092, 78.768

■ 50, 35.230, 80.275

■ 51, 29.171, 81.700

■ 53, 23.096, 83.074

■ 55, 17.101, 84.408

■ 56, 11.227, 85.702

■ 58, 5.494, 86.945

■ 60, 0.099, 270.327

Harmonies

Complementary

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



45, 50.739, 75.164



29, 52.719, 290.081

Rectangle

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



45, 50.739, 75.164



45, 50.739, 125.164



45, 50.739, 255.164



45, 50.739, 305.164

Sweetspot

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



45, 50.738, 75.167



70, 19.160, 84.705



31, 53.217, 7.635



36, 12.916, 84.313



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 50.738, 75.167



56, 65.818, 72.250



57, 61.680, 109.607



29, 3.116, 87.025



41, 51.475, 73.176



1, 2.088, 88.179

Inverse Universe

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



29, 52.719, 290.081



34, 73.700, 294.552



19, 81.394, 305.942



28, 3.105, 269.399



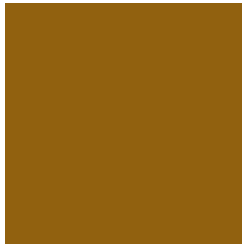
24, 56.013, 293.460



1, 2.089, 268.188

Previews

White Background



This preview shows how the CIELCh color 45, 50.739, 75.164 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, 50.739, 75.164 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, 50.739, 75.164

Background



This preview shows how black text looks on a background with the CIELCh color 45, 50.739, 75.164.



This preview shows how white text looks on a background with the CIELCh color 45, 50.739, 75.164.

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, 50.739, 75.164

Protanopia

45, 47.176, 95.641

Deuteranopia

45, 50.019, 83.308



Tritanopia
45, 25.951, 14.145

Trichromacy



Original Color
45, 50.739, 75.164

Protanomaly
45, 47.496, 87.629

Deuteranomaly
45, 50.162, 79.733

Tritanomaly
45, 30.877, 50.184

Monochromacy



Original Color
45, 50.739, 75.164

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 19.863, 82.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 50.739, 75.164 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(145, 97, 15)` looks like.

```
.text, #text, p{  
    color:rgb(145, 97, 15)  
}
```

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(145, 97, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 97, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 50.739, 75.164 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(145, 97, 15) }
```

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

```
.border{ border-color:rgb(145, 97, 15) }
```

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

Here you see how a box with a 4 pixel rgb(145, 97, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 97, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 97, 15);  
box-shadow:4px 4px 4px 4px rgb(145, 97,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 50.739, 75.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 97, 15) }
```

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

```
.background{ background-color: rgb(145, 97,  
15) }
```

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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