

Converting Colors

CIELCh(45, 52.703, 110.567)

Have a look what the booklet for
CIELCh(45, 52.703, 110.567)
contains.

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Color

CIELCh(45, 52.579, 110.349)

Conversions

Conversions Part 1

Format	Color
Hex	637105
RGB	99, 113, 5
RGB Percent	39%, 44%, 2%
CMY	0.6108, 0.5559, 0.9789
CMYK	0.12, 0.00, 0.95, 0.56
HSL	68°, 91%, 23%
HSV	68°, 95%, 44%
XYZ	11.1340, 14.5417, 2.3742
YIQ	96.5020, 26.3240, -36.5560

Conversions

Conversions Part 2

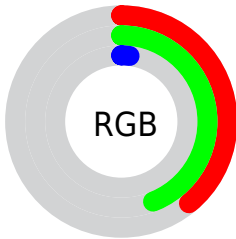
Format	Color
R_{YB}	5, 113, 19
Decimal	6516997
CIE Lab	45.00, -18.28, 49.30
CIE LCh	45, 52.579, 110.349
Yxy	14.5417, 0.3969, 0.5184
Android (android.graphics.Color)	4284707077 (0xFF637105)
YUV	96.5020, -45.1105, 2.1907
Hunter-Lab	38.1336, -14.6167, 23.0021

Details

The CIELCh color **45, 52.579, 110.349** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 69.889, 306.399**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 52.813, 110.374**, and **25, 37.212, 116.713** is the 20% darker color. If you saturate the color by 10%, you get **45, 53.820, 110.392**, and if you desaturate by 10%, it is **45, 49.866, 110.262**.

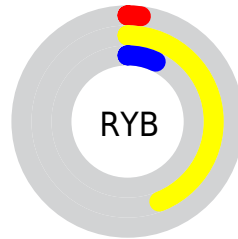
Distribution



Red (39%)

Green (44%)

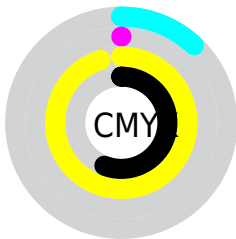
Blue (2%)



Red (2%)

Yellow (44%)

Blue (7%)

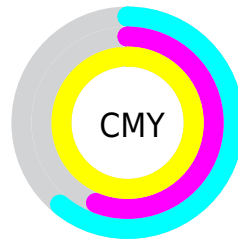


Cyan (12%)

Magenta (0%)

Yellow (95%)

Black (56%)



Cyan (61%)


Magenta (56%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 52.579, 110.349 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, 52.579, 110.349 by changing the saturation by 10% instead.


 45, 52.579,
110.349


 45, 52.579,
110.349


 100, 52.579,
110.349


 35, 52.579,
110.349

 65, 52.579,
110.349


 25, 52.579,
110.349

 75, 52.579,
110.349

 15, 52.579,
110.349

 85, 52.579,
110.349

 5, 52.579, 110.349

 95, 52.579,
110.349

 0, 52.579, 110.349

 45, 52.579,

 45, 52.579,

110.349

110.349

■ 45, 53.820,
110.392

■ 45, 49.866,
110.262

■ 45, 46.038,
110.421

■ 46, 41.215,
110.802

■ 46, 35.677,
111.340

■ 46, 29.661,
111.980

■ 46, 23.337,
112.682

■ 47, 16.823,
113.414

■ 47, 10.198,
114.154

Harmonies

Complementary

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



45, 52.579, 110.349



12, 69.889, 306.399

Rectangle

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



45, 52.579, 110.349



45, 52.579, 160.349



45, 52.579, 290.349



45, 52.579, 340.349

Sweetspot

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



45, 52.579, 110.351



60, 23.987, 113.081



24, 51.640, 39.453



30, 16.318, 112.840



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 52.579, 110.351



58, 65.292, 110.585



42, 60.002, 130.589



23, 3.736, 114.615



47, 56.052, 110.436



92, 95.842, 110.854

Inverse Universe

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



12, 69.889, 306.399



17, 88.346, 306.855



19, 64.746, 315.435



21, 3.810, 295.958



12, 75.745, 306.966



32, 129.931, 306.682

Previews

White Background



This preview shows how the CIELCh color 45, 52.579, 110.349 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, 52.579, 110.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

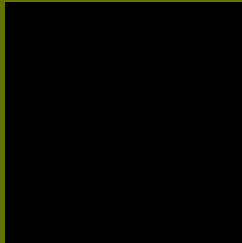
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 52.579, 110.349

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.579, 110.349.



This preview shows how white text looks on a background with the CIELCh color 45, 52.579, 110.349.

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, 52.579, 110.349

Protanopia

45, 51.581, 95.666

Deuteranopia

45, 47.079, 83.150



Tritanopia
45, 5.529, 303.456

Trichromacy



Original Color
45, 52.579, 110.349

Protanomaly
45, 51.369, 101.268

Deuteranomaly
45, 47.553, 93.743

Tritanomaly
45, 19.469, 111.363

Monochromacy



Original Color
45, 52.579, 110.349

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 23.140, 112.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.579, 110.349 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(99, 113, 5)` looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 5)  
}
```

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(99, 113, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.579, 110.349 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(99, 113, 5) }
```

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

```
.border{ border-color:rgb(99, 113, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 113, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 5);  
box-shadow:4px 4px 4px 4px rgb(99, 113, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.579, 110.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 5) }
```

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

```
.background{ background-color: rgb(99, 113,  
5) }
```

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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