

Converting Colors

CIELCh(45, 61.359, 111.710)

Have a look what the booklet for
CIELCh(45, 61.359, 111.710)
contains.

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Color

CIELCh(45, 55.040, 113.789)

Conversions

Conversions Part 1

Format	Color
Hex	5D7300
RGB	93, 115, 0
RGB Percent	36%, 45%, 0%
CMY	0.6360, 0.5497, 1.0000
CMYK	0.19, 0.00, 1.00, 0.55
HSL	71°, 100%, 23%
HSV	71°, 100%, 45%
XYZ	10.6076, 14.5417, 2.2409
YIQ	95.3120, 23.8030, -40.4290

Conversions

Conversions Part 2

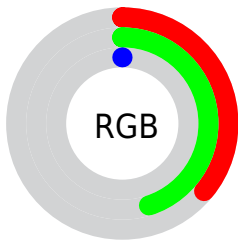
Format	Color
RYB	0, 115, 22
Decimal	6124288
CIELab	45.00, -22.20, 50.36
CIELCh	45, 55.040, 113.789
Yxy	14.5417, 0.3873, 0.5309
Android (android.graphics.Color)	4284314368 (0xFF5D7300)
YUV	95.3120, -46.9888, -2.0276
Hunter-Lab	38.1336, -17.0806, 23.2094

Details

The CIELCh color **45, 55.040, 113.789** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 72.908, 307.483**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 55.000, 113.660**, and **25, 39.215, 121.665** is the 20% darker color. If you saturate the color by 10%, you get **45, 54.988, 113.807**, and if you desaturate by 10%, it is **45, 52.332, 113.517**.

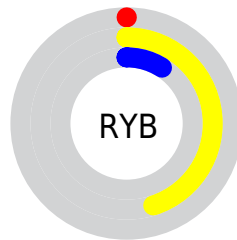
Distribution



Red (36%)

Green (45%)

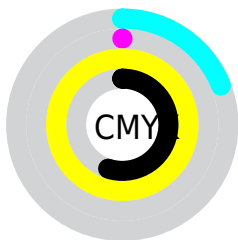
Blue (0%)



Red (0%)

Yellow (45%)

Blue (9%)

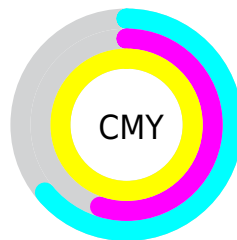


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (64%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 55.040, 113.789 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, 55.040, 113.789 by changing the saturation by 10% instead.


 45, 55.040,
113.789


 45, 55.040,
113.789


 100, 55.040,
113.789


 35, 55.040,
113.789

 65, 55.040,
113.789


 25, 55.040,
113.789

 75, 55.040,
113.789

 15, 55.040,
113.789

 85, 55.040,
113.789

 5, 55.040, 113.789

 95, 55.040,
113.789

 0, 55.040, 113.789

 45, 55.040,

 45, 55.040,

113.789

113.789

■ 45, 54.988,
113.807

■ 45, 52.332,
113.517

■ 45, 48.959,
113.390

■ 46, 44.455,
113.553

■ 46, 39.102,
113.927

■ 46, 33.166,
114.443

■ 47, 26.847,
115.044

■ 47, 20.289,
115.691

■ 47, 13.588,
116.357

Harmonies

Complementary

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



45, 55.040, 113.789



12, 72.908, 307.483

Rectangle

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



45, 55.040, 113.789



45, 55.040, 163.789



45, 55.040, 293.789



45, 55.040, 343.789

Sweetspot

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



45, 54.988, 113.807



61, 25.303, 115.639



24, 53.143, 42.319



31, 17.359, 115.420



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 54.988, 113.807



58, 66.915, 114.077



42, 63.352, 132.260



24, 3.899, 117.084



48, 57.571, 113.876



92, 97.833, 114.444

Inverse Universe

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



12, 72.908, 307.483



18, 88.864, 307.296



20, 66.501, 317.250



22, 3.975, 298.290



13, 76.365, 307.433



33, 130.162, 307.071

Previews

White Background



This preview shows how the CIELCh color 45, 55.040, 113.789 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, 55.040, 113.789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

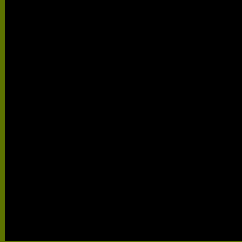
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 55.040, 113.789

Background



This preview shows how black text looks on a background with the CIELCh color 45, 55.040, 113.789.



This preview shows how white text looks on a background with the CIELCh color 45, 55.040, 113.789.

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, 55.040, 113.789

Protanopia

45, 51.581, 95.666

Deuteranopia

45, 47.079, 83.150



Tritanopia
45, 5.124, 268.283

Trichromacy



Original Color
45, 55.040, 113.789

Protanomaly
45, 52.161, 102.852

Deuteranomaly
45, 48.202, 95.595

Tritanomaly
45, 22.253, 119.846

Monochromacy



Original Color
45, 55.040, 113.789

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 25.049, 114.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 55.040, 113.789 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(93, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 115, 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(93, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 55.040, 113.789 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(93, 115, 0) }
```

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

```
.border{ border-color:rgb(93, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 115, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 55.040, 113.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 115, 0) }
```

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

```
.background{ background-color: rgb(93, 115,  
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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