

Converting Colors

CIELCh(44, 49.165, 111.307)

Have a look what the booklet for
CIELCh(44, 49.165, 111.307)
contains.

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Color

CIELCh(44, 49.401, 111.713)

Conversions

Conversions Part 1

Format	Color
Hex	606F10
RGB	96, 111, 16
RGB Percent	38%, 44%, 6%
CMY	0.6243, 0.5655, 0.9383
CMYK	0.14, 0.00, 0.86, 0.57
HSL	69°, 75%, 25%
HSV	69°, 86%, 43%
XYZ	10.5568, 13.8382, 2.5945
YIQ	95.6850, 21.5550, -32.7250

Conversions

Conversions Part 2

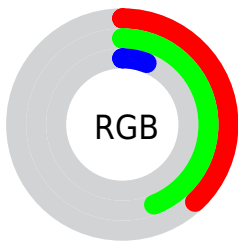
Format	Color
RYB	16, 111, 31
Decimal	6319888
CIELab	44.00, -18.28, 45.90
CIElCh	44, 49.401, 111.713
Yxy	13.8382, 0.3911, 0.5127
Android (android.graphics.Color)	4284509968 (0xFF606F10)
YUV	95.6850, -39.2847, 0.2763
Hunter-Lab	37.1997, -14.4438, 21.9046

Details


The CIELCh color **44, 49.401, 111.713** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **14, 63.213, 305.817**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 49.839, 111.983**, and **24, 36.359, 117.160** is the 20% darker color. If you saturate the color by 10%, you get **44, 52.116, 111.881**, and if you desaturate by 10%, it is **44, 45.645, 111.800**.

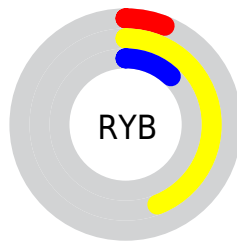
Distribution



 Red (38%)


 Green (44%)

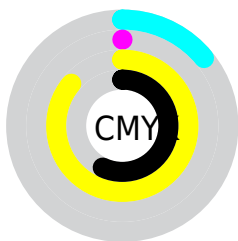
 Blue (6%)




 Red (6%)

 Yellow (44%)

 Blue (12%)

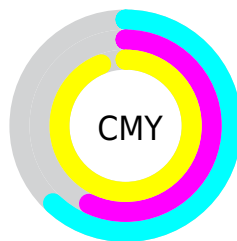



 Cyan (14%)

 Magenta (0%)

 Yellow (86%)

 Black (57%)



 Cyan (62%)

 Magenta (57%)

 Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 49.401, 111.713 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 44, 49.401, 111.713 by changing the saturation by 10% instead.


 44, 49.401,
111.713


 44, 49.401,
111.713


 100, 49.401,
111.713


 34, 49.401,
111.713

 64, 49.401,
111.713

 24, 49.401,
111.713

 74, 49.401,
111.713

 14, 49.401,
111.713

 84, 49.401,
111.713

 4, 49.401, 111.713

 94, 49.401,
111.713

 0, 49.401, 111.713

 44, 49.401,

 44, 49.401,

111.713

■ 44, 52.116,
111.881

■ 44, 53.244,
111.940

111.713

■ 44, 45.645,
111.800

■ 44, 40.909,
112.122

■ 45, 35.467,
112.612

■ 45, 29.551,
113.210

■ 45, 23.329,
113.873

■ 46, 16.919,
114.567

■ 46, 10.398,
115.271

■ 46, 3.818, 115.968

Harmonies

Complementary

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



44, 49.401, 111.713



14, 63.213, 305.817

Rectangle

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



44, 49.401, 111.713



44, 49.401, 161.713



44, 49.401, 291.713



44, 49.401, 341.713

Sweetspot

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



44, 49.401, 111.715



58, 20.988, 114.506



25, 45.443, 39.937



29, 14.109, 114.330



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



44, 49.401, 111.715



56, 63.954, 112.163



41, 56.220, 131.063



23, 3.744, 115.746



47, 56.322, 112.014



92, 96.354, 112.511

Inverse Universe

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



14, 63.213, 305.817



16, 85.843, 307.060



20, 59.776, 316.677



21, 3.818, 297.019



13, 75.516, 307.167



32, 129.608, 306.842

Previews

White Background



This preview shows how the CIELCh color 44, 49.401, 111.713 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 44, 49.401, 111.713 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 44, 49.401, 111.713

Background



This preview shows how black text looks on a background with the CIELCh color 44, 49.401, 111.713.



This preview shows how white text looks on a background with the CIELCh color 44, 49.401, 111.713.

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


44, 49.401, 111.713

Protanopia

44, 47.192, 95.461

Deuteranopia

44, 44.742, 82.939



Tritanopia
44, 4.824, 295.635

Trichromacy



Original Color
44, 49.401, 111.713

Protanomaly
44, 47.197, 101.554

Deuteranomaly
44, 44.809, 94.084

Tritanomaly
44, 17.891, 114.771

Monochromacy



Original Color
44, 49.401, 111.713

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 20.980, 114.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 49.401, 111.713 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(96, 111, 16)` looks like.

```
.text, #text, p{  
    color:rgb(96, 111, 16)  
}
```

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(96, 111, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 111, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 49.401, 111.713 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(96, 111, 16) }
```

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

```
.border{ border-color:rgb(96, 111, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 111, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 111, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 111, 16);  
box-shadow:4px 4px 4px 4px rgb(96, 111,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 49.401, 111.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 111, 16) }
```

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

```
.background{ background-color: rgb(96, 111,  
16) }
```

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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