

Converting Colors

CIELCh(46, 55.735, 113.382)

Have a look what the booklet for
CIELCh(46, 55.735, 113.382)
contains.

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Color

CIELCh(46, 55.588, 113.172)

Conversions

Conversions Part 1

Format	Color
Hex	607500
RGB	96, 117, 0
RGB Percent	38%, 46%, 0%
CMY	0.6227, 0.5404, 0.9988
CMYK	0.18, 0.00, 1.00, 0.54
HSL	71°, 99%, 23%
HSV	71°, 100%, 46%
XYZ	11.2326, 15.2687, 2.3638
YIQ	97.3830, 25.0410, -40.8390

Conversions

Conversions Part 2

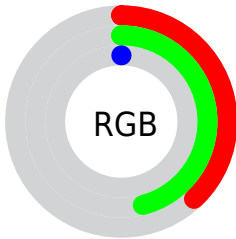
Format	Color
RYB	0, 117, 21
Decimal	6321408
CIELab	46.00, -21.87, 51.10
CIElCh	46, 55.588, 113.172
Yxy	15.2687, 0.3891, 0.5290
Android (android.graphics.Color)	4284511488 (0xFF607500)
YUV	97.3830, -48.0098, -1.2129
Hunter-Lab	39.0751, -17.0694, 23.7659

Details

The CIELCh color **46, 55.588, 113.172** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 73.949, 307.329**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 55.748, 113.041**, and **26, 39.839, 120.577** is the 20% darker color. If you saturate the color by 10%, you get **46, 55.659, 113.180**, and if you desaturate by 10%, it is **46, 52.964, 112.898**.

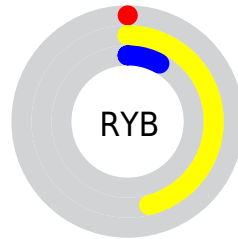
Distribution



Red (38%)

Green (46%)

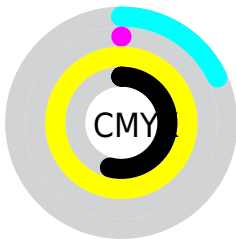
Blue (0%)



Red (0%)

Yellow (46%)

Blue (8%)

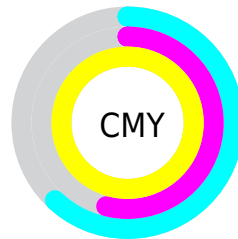


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (62%)


Magenta (54%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 55.588, 113.172 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 46, 55.588, 113.172 by changing the saturation by 10% instead.


 46, 55.588,
113.172


 46, 55.588,
113.172


 100, 55.588,
113.172


 36, 55.588,
113.172

 66, 55.588,
113.172


 26, 55.588,
113.172

 76, 55.588,
113.172

 16, 55.588,
113.172

 86, 55.588,
113.172

 6, 55.588, 113.172

 96, 55.588,
113.172

 0, 55.588, 113.172

 46, 55.588,

 46, 55.588,

113.172

113.172

■ 46, 55.659,
113.180

■ 46, 52.964,
112.898

■ 46, 49.544,
112.801

■ 47, 44.971,
112.988

■ 47, 39.535,
113.383

■ 47, 33.504,
113.916

■ 48, 27.087,
114.534

■ 48, 20.425,
115.197

■ 48, 13.619,
115.878

Harmonies

Complementary

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



46, 55.588, 113.172



12, 73.949, 307.329

Rectangle

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



46, 55.588, 113.172



46, 55.588, 163.172



46, 55.588, 293.172



46, 55.588, 343.172

Sweetspot

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



46, 55.588, 113.174



62, 25.617, 115.127



25, 54.308, 41.795



31, 17.334, 114.906



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 55.588, 113.174



59, 67.569, 113.429



43, 63.950, 131.938



24, 3.894, 116.605



48, 57.425, 113.224



92, 97.560, 113.762

Inverse Universe

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



12, 73.949, 307.329



18, 90.110, 307.187



20, 67.588, 316.736



22, 3.970, 297.838



13, 76.482, 307.328



33, 130.337, 306.983

Previews

White Background



This preview shows how the CIELCh color 46, 55.588, 113.172 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 46, 55.588, 113.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

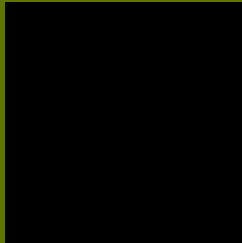
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 55.588, 113.172

Background



This preview shows how black text looks on a background with the CIELCh color 46, 55.588, 113.172.



This preview shows how white text looks on a background with the CIELCh color 46, 55.588, 113.172.

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

46, 55.588, 113.172

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 47.686, 82.882



Tritanopia
46, 5.455, 278.458

Trichromacy



Original Color
46, 55.588, 113.172

Protanomaly
46, 52.832, 102.321

Deuteranomaly
45, 49.018, 95.147

Tritanomaly
46, 22.089, 118.775

Monochromacy



Original Color
46, 55.588, 113.172

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 25.503, 114.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 55.588, 113.172 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, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 117, 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(96, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 117, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 55.588, 113.172 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, 117, 0) }
```

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

```
.border{ border-color:rgb(96, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(96, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 117, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 55.588, 113.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 117, 0) }
```

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

```
.background{ background-color: rgb(96, 117,  
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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