

Converting Colors

CIELCh(46, 86.235, 92.803)

Have a look what the booklet for
CIELCh(46, 86.235, 92.803) contains.

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Color

CIELCh(46, 52.653, 93.103)

Conversions

Conversions Part 1

Format	Color
Hex	7E6C00
RGB	126, 108, 0
RGB Percent	49%, 42%, 0%
CMY	0.5046, 0.5749, 1.0000
CMYK	0.00, 0.14, 1.00, 0.50
HSL	51°, 100%, 25%
HSV	51°, 100%, 50%
XYZ	14.0530, 15.2687, 2.1816
YIQ	101.0700, 45.3960, -29.7720

Conversions

Conversions Part 2

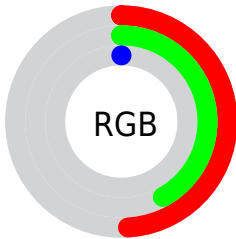
Format	Color
R_{YB}	21, 126, 0
Decimal	8285184
CIE Lab	46.00, -2.85, 52.58
CIE LCh	46, 52.653, 93.103
Yxy	15.2687, 0.4461, 0.4847
Android (android.graphics.Color)	4286475264 (0xFF7E6C00)
YUV	101.0700, -49.8275, 21.8636
Hunter-Lab	39.0751, -4.1856, 24.0424

Details

The CIELCh color **46, 52.653, 93.103** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **15, 71.768, 303.378**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 52.082, 93.098**, and **26, 35.097, 92.245** is the 20% darker color. If you saturate the color by 10%, you get **46, 52.451, 93.097**, and if you desaturate by 10%, it is **47, 50.091, 94.100**.

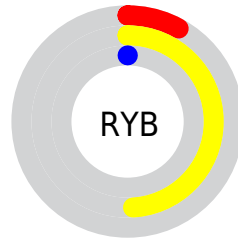
Distribution



Red (49%)

Green (42%)

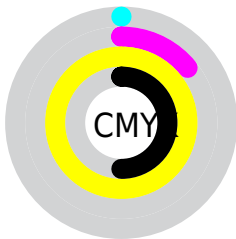
Blue (0%)



Red (8%)

Yellow (49%)

Blue (0%)

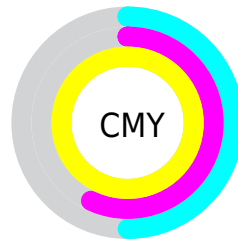


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (50%)



Cyan (50%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 52.653, 93.103 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, 52.653, 93.103 by changing the saturation by 10% instead.

46, 52.653, 93.103

46, 52.653, 93.103

100, 52.653,
93.103

36, 52.653, 93.103

66, 52.653, 93.103

26, 52.653, 93.103

76, 52.653, 93.103

16, 52.653, 93.103

86, 52.653, 93.103

6, 52.653, 93.103

96, 52.653, 93.103

0, 52.653, 93.103

46, 52.653, 93.103

46, 52.653, 93.103

46, 52.451, 93.097

47, 50.091, 94.100

47, 46.831, 95.123

■ 48, 42.360, 96.165

■ 48, 37.067, 97.230

■ 49, 31.267, 98.315

■ 50, 25.176, 99.409

■ 50, 18.935,
100.501

■ 51, 12.626,
101.580

■ 52, 6.302, 102.634

Harmonies

Complementary

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



46, 52.653, 93.103



15, 71.768, 303.378

Rectangle

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



46, 52.653, 93.103



46, 52.653, 143.103



46, 52.653, 273.103



46, 52.653, 323.103

Sweetspot

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



46, 52.451, 93.097



64, 23.344, 100.425



25, 56.072, 31.137



33, 15.835, 100.050



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 52.451, 93.097



59, 63.095, 92.843



48, 61.480, 121.707



27, 3.578, 102.727



46, 52.797, 93.087



0, 0.000, 0.000

Inverse Universe

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



15, 71.768, 303.378



21, 88.006, 303.887



16, 76.171, 309.362



25, 3.630, 284.690



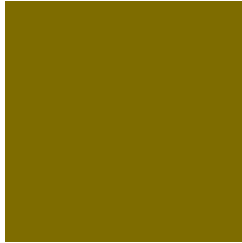
15, 72.299, 303.399



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 52.653, 93.103 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 46, 52.653, 93.103 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, 52.653, 93.103

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.653, 93.103.

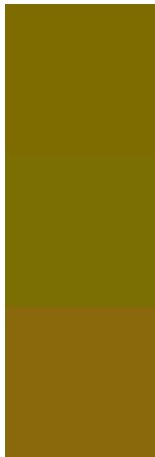


This preview shows how white text looks on a background with the CIELCh color 46, 52.653, 93.103.

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, 52.325, 93.025

Protanopia

46, 51.895, 95.842

Deuteranopia

46, 50.577, 83.692



Tritanopia
46, 13.805, 1.295

Trichromacy



Original Color
46, 52.325, 93.025

Protanomaly
46, 51.931, 94.699

Deuteranomaly
46, 51.099, 87.300

Tritanomaly
46, 24.229, 76.965

Monochromacy



Original Color
46, 52.325, 93.025

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 23.727, 99.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.653, 93.103 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(126, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 108, 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(126, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 108, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.653, 93.103 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(126, 108, 0) }
```

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

```
.border{ border-color:rgb(126, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(126, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 108,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.653, 93.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 108, 0) }
```

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

```
.background{ background-color: rgb(126,  
108, 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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