

Converting Colors

CIELCh(41, 41.822, 91.056)

Have a look what the booklet for
CIELCh(41, 41.822, 91.056) contains.

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Color

CIELCh(41, 41.680, 90.580)

Conversions

Conversions Part 1

Format	Color
Hex	725F16
RGB	114, 95, 22
RGB Percent	45%, 37%, 9%
CMY	0.5522, 0.6268, 0.9130
CMYK	0.00, 0.17, 0.81, 0.55
HSL	48°, 67%, 27%
HSV	48°, 81%, 45%
XYZ	11.2189, 11.8645, 2.4676
YIQ	92.3590, 34.7570, -18.6750

Conversions

Conversions Part 2

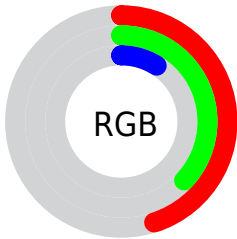
Format	Color
R_{YB}	46, 114, 22
Decimal	7495446
CIE Lab	41.00, -0.42, 41.68
CIE LCh	41, 41.680, 90.580
Yxy	11.8645, 0.4391, 0.4643
Android (android.graphics.Color)	4285685526 (0xFF725F16)
YUV	92.3590, -34.6870, 18.9792
Hunter-Lab	34.4449, -2.1403, 19.8640

Details

The CIELCh color **41, 41.680, 90.580** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **20, 49.046, 295.748**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 41.486, 90.289**, and **21, 29.668, 88.151** is the 20% darker color. If you saturate the color by 10%, you get **40, 44.802, 89.272**, and if you desaturate by 10%, it is **42, 37.529, 91.829**.

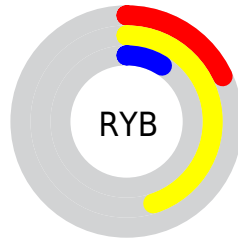
Distribution



Red (45%)

Green (37%)

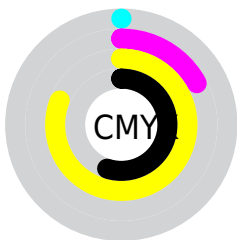
Blue (9%)



Red (18%)

Yellow (45%)

Blue (9%)

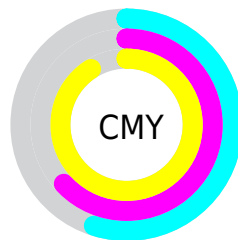


Cyan (0%)

Magenta (17%)

Yellow (81%)

Black (55%)



Cyan (55%)

Magenta (63%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 41.680, 90.580 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 41, 41.680, 90.580 by changing the saturation by 10% instead.

41, 41.680, 90.580

41, 41.680, 90.580

100, 41.680,
90.580

31, 41.680, 90.580

61, 41.680, 90.580

21, 41.680, 90.580

71, 41.680, 90.580

11, 41.680, 90.580

81, 41.680, 90.580

1, 41.680, 90.580

91, 41.680, 90.580

0, 41.680, 90.580

41, 41.680, 90.580

41, 41.680, 90.580

40, 44.802, 89.272

42, 37.529, 91.829

40, 47.274, 88.041

43, 32.720, 93.044

■ 43, 27.533, 94.242

■ 44, 22.150, 95.426

■ 45, 16.682, 96.591

■ 46, 11.195, 97.732

■ 47, 5.727, 98.838

■ 48, 0.298, 99.580

■ 49, 5.081, 281.003

Harmonies

Complementary

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



41, 41.680, 90.580



20, 49.046, 295.748

Rectangle

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



41, 41.680, 90.580



41, 41.680, 140.580



41, 41.680, 270.580



41, 41.680, 320.580

Sweetspot

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



41, 41.680, 90.583



58, 16.172, 97.273



25, 42.278, 17.096



29, 11.046, 96.958



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 41.680, 90.583



51, 56.130, 88.022



45, 49.868, 117.705



23, 3.003, 99.008



42, 48.913, 87.952



82, 83.124, 86.959

Inverse Universe

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



20, 49.046, 295.748



21, 73.991, 301.031



18, 60.552, 307.530



22, 3.034, 281.036



16, 64.241, 301.164



36, 115.312, 302.687

Previews

White Background



This preview shows how the CIELCh color 41, 41.680, 90.580 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 41, 41.680, 90.580 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 41, 41.680, 90.580

Background



This preview shows how black text looks on a background with the CIELCh color 41, 41.680, 90.580.



This preview shows how white text looks on a background with the CIELCh color 41, 41.680, 90.580.

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

41, 41.680, 90.580

Protanopia

41, 41.357, 95.520

Deuteranopia

41, 41.606, 82.660



Tritanopia
41, 13.537, 3.286

Trichromacy



Original Color
41, 41.680, 90.580

Protanomaly
41, 41.226, 93.369

Deuteranomaly
41, 41.601, 85.547

Tritanomaly
41, 18.304, 66.228

Monochromacy



Original Color
41, 41.680, 90.580

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 16.627, 96.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 41.680, 90.580 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(114, 95, 22)` looks like.

```
.text, #text, p{  
    color:rgb(114, 95, 22)  
}
```

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(114, 95, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 95, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 41.680, 90.580 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(114, 95, 22) }
```

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

```
.border{ border-color:rgb(114, 95, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 95, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 95, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 95, 22);  
box-shadow:4px 4px 4px 4px rgb(114, 95,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 41.680, 90.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 95, 22) }
```

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

```
.background{ background-color: rgb(114, 95,  
22) }
```

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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