

Converting Colors

CIELCh(46, 52.392, 132.018)

Have a look what the booklet for
CIELCh(46, 52.392, 132.018)
contains.

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Color

CIELCh(46, 52.093, 131.894)

Conversions

Conversions Part 1

Format	Color
Hex	417A26
RGB	65, 122, 38
RGB Percent	25%, 48%, 15%
CMY	0.7439, 0.5204, 0.8498
CMYK	0.47, 0.00, 0.69, 0.52
HSL	101°, 52%, 31%
HSV	101°, 69%, 48%
XYZ	9.5510, 15.2687, 4.3021
YIQ	95.3810, -7.0080, -38.2080

Conversions

Conversions Part 2

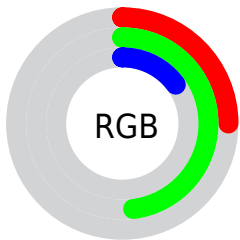
Format	Color
R_{YB}	38, 122, 95
Decimal	4291110
CIE Lab	46.00, -34.79, 38.78
CIE LCh	46, 52.093, 131.894
Yxy	15.2687, 0.3280, 0.5243
Android (android.graphics.Color)	4282481190 (0xFF417A26)
YUV	95.3810, -28.2888, -26.6441
Hunter-Lab	39.0751, -24.7512, 20.8248

Details

The CIELCh color $46, 52.093, 131.894$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $27, 54.676, 317.552$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 52.251, 131.660$, and $26, 47.321, 135.181$ is the 20% darker color. If you saturate the color by 10%, you get $46, 57.831, 131.728$, and if you desaturate by 10%, it is $47, 45.465, 132.265$.

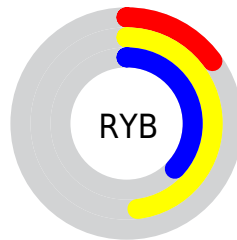
Distribution



Red (25%)

Green (48%)

Blue (15%)



Red (15%)

Yellow (48%)

Blue (37%)

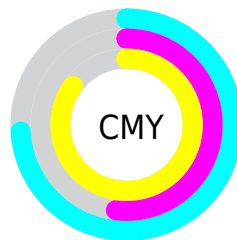


Cyan (47%)

Magenta (0%)

Yellow (69%)

Black (52%)



Cyan (74%)


Magenta (52%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 52.093, 131.894 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, 52.093, 131.894 by changing the saturation by 10% instead.


 46, 52.093,
131.894


 46, 52.093,
131.894


 100, 52.093,
131.894


 36, 52.093,
131.894

 66, 52.093,
131.894


 26, 52.093,
131.894

 76, 52.093,
131.894

 16, 52.093,
131.894

 86, 52.093,
131.894

 6, 52.093, 131.894

 96, 52.093,
131.894

 0, 52.093, 131.894

 46, 52.093,

 46, 52.093,

131.894

131.894

■ 46, 57.831,
131.728

■ 47, 45.465,
132.265

■ 45, 62.363,
131.880

■ 47, 38.231,
132.742

■ 45, 65.819,
132.234

■ 48, 30.612,
133.259

■ 45, 66.265,
132.254

■ 49, 22.772,
133.772

■ 50, 14.831,
134.260

■ 50, 6.873, 134.715

■ 51, 1.039, 314.982

■ 53, 8.860, 315.442

■ 54, 16.558,

315.763

Harmonies

Complementary

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



46, 52.093, 131.894



27, 54.676, 317.552

Rectangle

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



46, 52.093, 131.894



46, 52.093, 181.894



46, 52.093, 311.894



46, 52.093, 1.894

Sweetspot

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



46, 52.093, 131.895



63, 20.568, 134.126



42, 35.840, 82.167



32, 13.847, 134.021



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 52.093, 131.895



58, 72.770, 131.761



45, 50.981, 142.863



25, 4.458, 134.698



46, 67.317, 132.284



88, 114.287, 132.993

Inverse Universe

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



27, 54.676, 317.552



32, 76.574, 317.539



31, 49.833, 333.630



24, 4.495, 315.391



22, 70.742, 317.018



47, 119.464, 316.503

Previews

White Background



This preview shows how the CIELCh color 46, 52.093, 131.894 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, 52.093, 131.894 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, 52.093, 131.894

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.093, 131.894.



This preview shows how white text looks on a background with the CIELCh color 46, 52.093, 131.894.

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, 52.093, 131.894

Protanopia

46, 41.504, 96.234

Deuteranopia

46, 37.329, 80.474



Tritanopia
46, 13.145, 222.398

Trichromacy



Original Color
46, 52.093, 131.894

Protanomaly
46, 43.251, 112.426

Deuteranomaly
45, 37.746, 104.815

Tritanomaly
46, 22.500, 155.790

Monochromacy



Original Color
46, 52.093, 131.894

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 20.632, 133.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.093, 131.894 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(65, 122, 38)` looks like.

```
.text, #text, p{  
    color:rgb(65, 122, 38)  
}
```

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(65, 122, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 122, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.093, 131.894 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(65, 122, 38) }
```

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

```
.border{ border-color:rgb(65, 122, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 122, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 122, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 122, 38);  
box-shadow:4px 4px 4px 4px rgb(65, 122,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.093, 131.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 122, 38) }
```

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

```
.background{ background-color: rgb(65, 122,  
38) }
```

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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