

Converting Colors

CIELCh(46, 44.393, 119.819)

Have a look what the booklet for
CIELCh(46, 44.393, 119.819)
contains.

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Color

CIELCh(46, 44.572, 119.938)

Conversions

Conversions Part 1

Format	Color
Hex	5C7628
RGB	92, 118, 40
RGB Percent	36%, 46%, 16%
CMY	0.6408, 0.5388, 0.8446
CMYK	0.22, 0.00, 0.66, 0.54
HSL	80°, 50%, 31%
HSV	80°, 66%, 46%
XYZ	11.1818, 15.2687, 4.3311
YIQ	101.3340, 9.5420, -29.7700

Conversions

Conversions Part 2

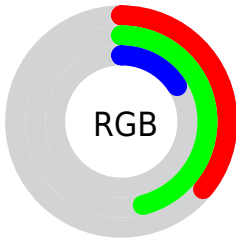
Format	Color
R_{YB}	40, 118, 66
Decimal	6059560
CIE _{Lab}	46.00, -22.24, 38.62
CIE _{LCh}	46, 44.572, 119.938
Yxy	15.2687, 0.3633, 0.4960
Android (android.graphics.Color)	4284249640 (0xFF5C7628)
YUV	101.3340, -30.2377, -8.1859
Hunter-Lab	39.0751, -17.3017, 20.7809

Details

The CIELCh color $46, 44.572, 119.938$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $23, 51.297, 307.671$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 44.562, 120.004$, and $26, 40.160, 121.798$ is the 20% darker color. If you saturate the color by 10%, you get $46, 49.749, 119.865$, and if you desaturate by 10%, it is $46, 38.654, 120.228$.

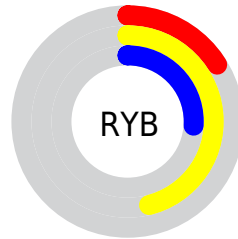
Distribution



Red (36%)

Green (46%)

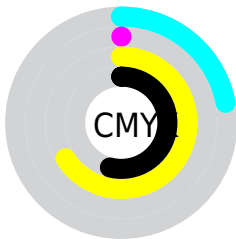
Blue (16%)



Red (16%)

Yellow (46%)

Blue (26%)

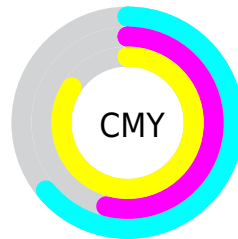


Cyan (22%)

Magenta (0%)

Yellow (66%)

Black (54%)



Cyan (64%)

Magenta (54%)


Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 44.572, 119.938 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, 44.572, 119.938 by changing the saturation by 10% instead.

 46, 44.572,
119.938


 46, 44.572,
119.938


 100, 44.572,
119.938

 36, 44.572,
119.938

 66, 44.572,
119.938

 26, 44.572,
119.938

 76, 44.572,
119.938

 16, 44.572,
119.938

 86, 44.572,
119.938

 6, 44.572, 119.938

 96, 44.572,
119.938

 0, 44.572, 119.938

 46, 44.572,

 46, 44.572,

119.938

■ 46, 49.749,
119.865

■ 45, 53.896,
120.104

■ 45, 56.955,
120.671

■ 45, 58.065,
120.857

119.938

■ 46, 38.654,
120.228

■ 47, 32.237,
120.649

■ 47, 25.503,
121.145

■ 48, 18.577,
121.673

■ 48, 11.545,
122.210

■ 49, 4.467, 122.741

■ 50, 2.616, 303.221

■ 50, 9.675, 303.710

■ 51, 16.686,

Harmonies

Complementary

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



46, 44.572, 119.938



23, 51.297, 307.671

Rectangle

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



46, 44.572, 119.938



46, 44.572, 169.938



46, 44.572, 299.938



46, 44.572, 349.938

Sweetspot

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



46, 44.573, 119.940



62, 17.545, 121.985



34, 32.243, 51.780



31, 11.893, 121.867



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, 44.573, 119.940



58, 63.229, 119.956



44, 51.205, 135.783



24, 3.975, 122.597



47, 59.776, 120.920



90, 101.917, 121.742

Inverse Universe

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



23, 51.297, 307.671



26, 75.819, 308.652



29, 51.843, 322.312



22, 4.042, 303.527



15, 74.660, 309.138



35, 127.416, 308.609

Previews

White Background



This preview shows how the CIELCh color 46, 44.572, 119.938 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, 44.572, 119.938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

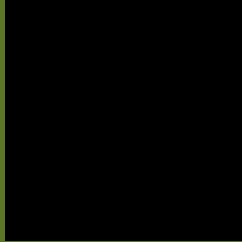
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 44.572, 119.938

Background



This preview shows how black text looks on a background with the CIELCh color 46, 44.572, 119.938.



This preview shows how white text looks on a background with the CIELCh color 46, 44.572, 119.938.

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

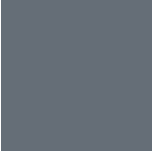
46, 44.572, 119.938

Protanopia

46, 40.698, 95.518

Deuteranopia

46, 37.804, 80.699



Tritanopia
46, 6.309, 257.416

Trichromacy



Original Color
46, 44.572, 119.938

Protanomaly
46, 41.007, 105.102

Deuteranomaly
45, 37.742, 96.708

Tritanomaly
46, 15.025, 133.350

Monochromacy



Original Color
46, 44.572, 119.938

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 17.059, 121.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 44.572, 119.938 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(92, 118, 40)` looks like.

```
.text, #text, p{  
    color:rgb(92, 118, 40)  
}
```

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(92, 118, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 118, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 44.572, 119.938 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(92, 118, 40) }
```

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

```
.border{ border-color:rgb(92, 118, 40) }
```

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

Here you see how a box with a 4 pixel rgb(92, 118, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 118, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 118, 40);  
box-shadow:4px 4px 4px 4px rgb(92, 118,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 44.572, 119.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 118, 40) }
```

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

```
.background{ background-color: rgb(92, 118,  
40) }
```

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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