

Converting Colors

CIELCh(44, 46.613, 127.641)

Have a look what the booklet for
CIELCh(44, 46.613, 127.641)
contains.

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Color

CIELCh(44, 46.511, 127.478)

Conversions

Conversions Part 1

Format	Color
Hex	4A7326
RGB	74, 115, 38
RGB Percent	29%, 45%, 15%
CMY	0.7101, 0.5493, 0.8512
CMYK	0.36, 0.00, 0.67, 0.55
HSL	92°, 50%, 30%
HSV	92°, 67%, 45%
XYZ	9.2903, 13.8382, 4.0094
YIQ	93.9630, 0.2810, -32.6390

Conversions

Conversions Part 2

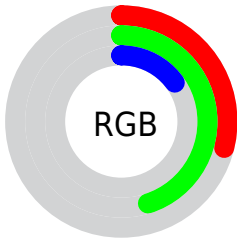
Format	Color
R_{YB}	38, 115, 79
Decimal	4879142
CIE _{Lab}	44.00, -28.30, 36.91
CIE _{LCh}	44, 46.511, 127.478
Yxy	13.8382, 0.3423, 0.5099
Android (android.graphics.Color)	4283069222 (0xFF4A7326)
YUV	93.9630, -27.5898, -17.5076
Hunter-Lab	37.1997, -20.5210, 19.6496

Details

The CIELCh color $44, 46.511, 127.478$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $25, 50.753, 313.170$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 46.232, 127.320$, and $24, 41.794, 130.491$ is the 20% darker color. If you saturate the color by 10%, you get $44, 51.946, 127.430$, and if you desaturate by 10%, it is $44, 40.341, 127.741$.

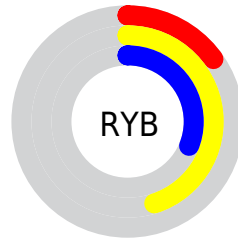
Distribution



Red (29%)

Green (45%)

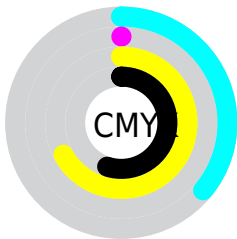
Blue (15%)



Red (15%)

Yellow (45%)

Blue (31%)

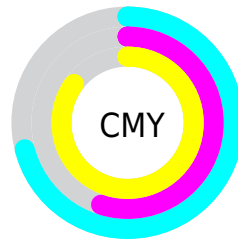


Cyan (36%)

Magenta (0%)

Yellow (67%)

Black (55%)



Cyan (71%)

Magenta (55%)


Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 46.511, 127.478 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 44, 46.511, 127.478 by changing the saturation by 10% instead.


 44, 46.511,
127.478


 44, 46.511,
127.478


 100, 46.511,
127.478

 34, 46.511,
127.478

 64, 46.511,
127.478

 24, 46.511,
127.478

 74, 46.511,
127.478

 14, 46.511,
127.478

 84, 46.511,
127.478

 4, 46.511, 127.478

 94, 46.511,
127.478

 0, 46.511, 127.478

 44, 46.511,

 44, 46.511,

127.478

127.478

■ 44, 51.946,
127.430

■ 44, 40.341,
127.741

■ 43, 56.362,
127.704

■ 45, 33.678,
128.126

■ 43, 59.767,
128.268

■ 46, 26.705,
128.570

■ 43, 60.784,
128.391

■ 46, 19.554,
129.032

■ 47, 12.316,
129.488

■ 48, 5.058, 129.929

■ 49, 2.175, 310.273

■ 50, 9.348, 310.671

■ 51, 16.437,

Harmonies

Complementary

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



44, 46.511, 127.478



25, 50.753, 313.170

Rectangle

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



44, 46.511, 127.478



44, 46.511, 177.478



44, 46.511, 307.478



44, 46.511, 357.478

Sweetspot

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



44, 46.511, 127.479



60, 18.075, 129.329



36, 31.490, 68.937



31, 12.427, 129.227



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 46.511, 127.479



56, 66.026, 127.523



42, 52.294, 139.189



24, 4.141, 129.839



45, 63.653, 128.500



88, 108.886, 129.379

Inverse Universe

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



25, 50.753, 313.170



28, 73.321, 313.423



30, 51.532, 328.091



23, 4.191, 310.556



18, 71.727, 313.063



41, 122.261, 312.451

Previews

White Background



This preview shows how the CIELCh color 44, 46.511, 127.478 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 44, 46.511, 127.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

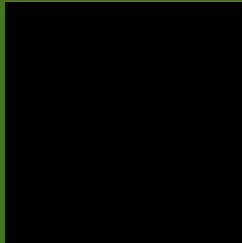
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 46.511, 127.478

Background



This preview shows how black text looks on a background with the CIELCh color 44, 46.511, 127.478.



This preview shows how white text looks on a background with the CIELCh color 44, 46.511, 127.478.

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


44, 46.511, 127.478

Protanopia

44, 39.294, 95.849

Deuteranopia

44, 36.087, 81.096



Tritanopia
44, 9.698, 232.626

Trichromacy



Original Color
44, 46.511, 127.478

Protanomaly
44, 40.266, 109.188

Deuteranomaly
44, 36.442, 101.795

Tritanomaly
44, 17.878, 150.154

Monochromacy



Original Color
44, 46.511, 127.478

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 18.039, 129.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 46.511, 127.478 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(74, 115, 38)` looks like.

```
.text, #text, p{  
    color:rgb(74, 115, 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(74, 115, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 115, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 46.511, 127.478 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(74, 115, 38) }
```

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

```
.border{ border-color:rgb(74, 115, 38) }
```

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

Here you see how a box with a 4 pixel rgb(74, 115, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 115, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 115, 38);  
box-shadow:4px 4px 4px 4px rgb(74, 115,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 46.511, 127.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 115, 38) }
```

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

```
.background{ background-color: rgb(74, 115,  
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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