

Converting Colors

CIELCh(40, 46.187, 122.608)

Have a look what the booklet for
CIELCh(40, 46.187, 122.608)
contains.

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Color

CIELCh(40, 46.181, 122.596)

Conversions

Conversions Part 1

Format	Color
Hex	486818
RGB	72, 104, 24
RGB Percent	28%, 41%, 9%
CMY	0.7192, 0.5936, 0.9075
CMYK	0.31, 0.00, 0.77, 0.59
HSL	84°, 63%, 25%
HSV	84°, 77%, 41%
XYZ	7.7163, 11.2510, 2.6070
YIQ	85.3120, 6.6080, -31.6640

Conversions

Conversions Part 2

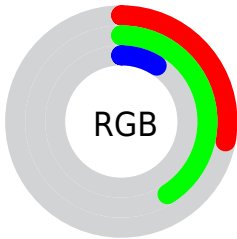
Format	Color
R _Y B	24, 104, 56
Decimal	4745240
CIE Lab	40.00, -24.88, 38.91
CIE LCh	40, 46.181, 122.596
Yxy	11.2510, 0.3577, 0.5215
Android (android.graphics.Color)	4282935320 (0xFF486818)
YUV	85.3120, -30.2268, -11.6746
Hunter-Lab	33.5425, -17.6362, 18.8715

Details

The CIELCh color $40, 46.181, 122.596$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $18, 53.367, 309.920$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 45.799, 122.798$, and $20, 36.640, 129.957$ is the 20% darker color. If you saturate the color by 10%, you get $40, 50.075, 122.868$, and if you desaturate by 10%, it is $40, 41.385, 122.639$.

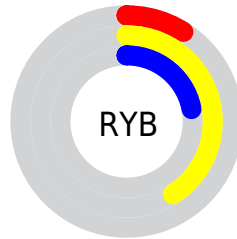
Distribution



Red (28%)

Green (41%)

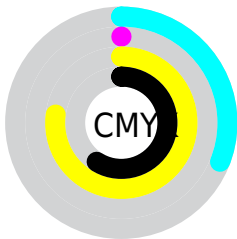
Blue (9%)



Red (9%)

Yellow (41%)

Blue (22%)

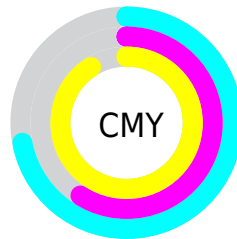


Cyan (31%)

Magenta (0%)

Yellow (77%)

Black (59%)



Cyan (72%)


Magenta (59%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 46.181, 122.596 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 40, 46.181, 122.596 by changing the saturation by 10% instead.


 40, 46.181,
122.596


 40, 46.181,
122.596


 100, 46.181,
122.596


 30, 46.181,
122.596

 60, 46.181,
122.596


 20, 46.181,
122.596

 70, 46.181,
122.596

 10, 46.181,
122.596

 80, 46.181,
122.596

 0, 46.181, 122.596

 90, 46.181,
122.596

 40, 46.181,

 40, 46.181,

122.596

■ 40, 50.075,
122.868

■ 39, 53.192,
123.373

■ 39, 54.084,
123.471

122.596

■ 40, 41.385,
122.639

■ 41, 35.937,
122.892

■ 41, 30.051,
123.275

■ 42, 23.885,
123.728

■ 42, 17.551,
124.211

■ 43, 11.126,
124.700

■ 43, 4.665, 125.181

■ 44, 1.794, 305.594

Harmonies

Complementary

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



40, 46.181, 122.596



18, 53.367, 309.920

Rectangle

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



40, 46.181, 122.596



40, 46.181, 172.596



40, 46.181, 302.596



40, 46.181, 352.596

Sweetspot

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



40, 46.181, 122.597



55, 18.457, 124.386



29, 34.181, 55.621



28, 12.865, 124.251



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 46.181, 122.597



51, 63.477, 123.409



38, 52.725, 136.133



21, 3.577, 125.101



43, 58.225, 123.659



87, 101.757, 124.621

Inverse Universe

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



18, 53.367, 309.920



20, 75.815, 310.163



24, 52.617, 324.035



19, 3.631, 305.911



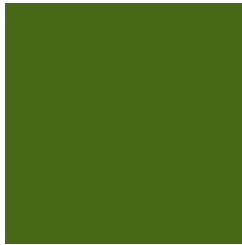
14, 70.328, 310.323



36, 122.836, 309.686

Previews

White Background



This preview shows how the CIELCh color 40, 46.181, 122.596 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 40, 46.181, 122.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

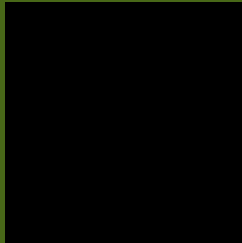
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 46.181, 122.596

Background



This preview shows how black text looks on a background with the CIELCh color 40, 46.181, 122.596.



This preview shows how white text looks on a background with the CIELCh color 40, 46.181, 122.596.

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

40, 46.181, 122.596

Protanopia

40, 40.874, 95.307

Deuteranopia

40, 37.636, 81.636



Tritanopia
40, 7.431, 233.985

Trichromacy



Original Color
40, 46.181, 122.596

Protanomaly
39, 41.281, 106.549

Deuteranomaly
39, 37.620, 98.926

Tritanomaly
40, 17.184, 139.760

Monochromacy



Original Color
40, 46.181, 122.596

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 18.448, 124.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 46.181, 122.596 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(72, 104, 24)` looks like.

```
.text, #text, p{  
    color:rgb(72, 104, 24)  
}
```

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(72, 104, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 104, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 46.181, 122.596 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(72, 104, 24) }
```

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

```
.border{ border-color:rgb(72, 104, 24) }
```

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

Here you see how a box with a 4 pixel rgb(72, 104, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 104, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 104, 24);  
box-shadow:4px 4px 4px 4px rgb(72, 104,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 46.181, 122.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 104, 24) }
```

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

```
.background{ background-color: rgb(72, 104,  
24) }
```

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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