

Converting Colors

CIELCh(46, 26.056, 118.575)

Have a look what the booklet for
CIELCh(46, 26.056, 118.575)
contains.

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Color

CIELCh(46, 26.090, 118.559)

Conversions

Conversions Part 1

Format	Color
Hex	667246
RGB	102, 114, 70
RGB Percent	40%, 45%, 27%
CMY	0.6004, 0.5534, 0.7259
CMYK	0.11, 0.00, 0.39, 0.55
HSL	76°, 24%, 36%
HSV	76°, 39%, 45%
XYZ	12.5738, 15.2687, 8.0615
YIQ	105.3960, 6.9720, -16.2280

Conversions

Conversions Part 2

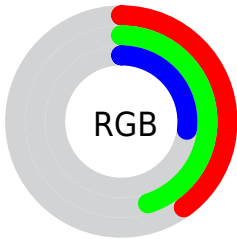
Format	Color
RYB	70, 114, 82
Decimal	6713926
CIELab	46.00, -12.47, 22.92
CIElCh	46, 26.090, 118.559
Yxy	15.2687, 0.3502, 0.4253
Android (android.graphics.Color)	4284904006 (0xFF667246)
YUV	105.3960, -17.4502, -2.9783
Hunter-Lab	39.0751, -10.9428, 15.1207

Details

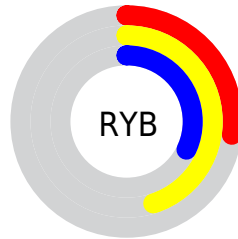
The CIELCh color $46, 26.090, 118.559$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 28.225, 303.522$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 26.122, 118.377$, and $26, 26.165, 118.482$ is the 20% darker color. If you saturate the color by 10%, you get $46, 32.504, 118.034$, and if you desaturate by 10%, it is $46, 19.463, 119.131$.

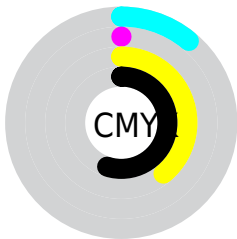
Distribution



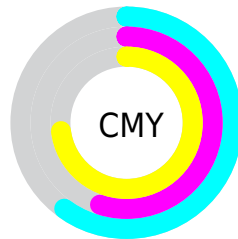
- Red (40%)
- Green (45%)
- Blue (27%)



- Red (27%)
- Yellow (45%)
- Blue (32%)



- Cyan (11%)
- Magenta (0%)
- Yellow (39%)
- Black (55%)





- Cyan (60%)
- Magenta (55%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 26.090, 118.559 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, 26.090, 118.559 by changing the saturation by 10% instead.


 46, 26.090,
118.559


 46, 26.090,
118.559


 100, 26.090,
118.559


 36, 26.090,
118.559

 66, 26.090,
118.559


 26, 26.090,
118.559

 76, 26.090,
118.559

 16, 26.090,
118.559

 86, 26.090,
118.559

 6, 26.090, 118.559

 96, 26.090,
118.559

 0, 26.090, 118.559

 46, 26.090,

 46, 26.090,

118.559

■ 46, 32.504,
118.034

■ 45, 38.570,
117.590

■ 45, 44.101,
117.289

■ 45, 48.845,
117.209

■ 44, 52.522,
117.444

■ 44, 55.354,
117.905

■ 44, 55.755,
117.957

118.559

■ 46, 19.463,
119.131

■ 47, 12.710,
119.714

■ 48, 5.893, 120.295

■ 48, 0.944, 300.825

■ 49, 7.772, 301.385

■ 49, 14.568,
301.895

■ 50, 21.316,
302.372

■ 51, 28.005,
302.818

■ 52, 34.624,

Harmonies

Complementary

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



46, 26.090, 118.559



33, 28.225, 303.522

Rectangle

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



46, 26.090, 118.559



46, 26.090, 168.559



46, 26.090, 298.559



46, 26.090, 348.559

Sweetspot

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



46, 26.091, 118.561



60, 10.152, 120.082



38, 16.968, 46.002



31, 6.690, 120.029



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 26.091, 118.561



58, 38.158, 118.106



44, 29.617, 135.873



23, 3.794, 120.274



46, 57.846, 118.030



90, 99.221, 118.787

Inverse Universe

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



33, 28.225, 303.522



39, 42.177, 304.295



35, 30.204, 319.390



21, 3.862, 301.300



14, 74.306, 308.321



34, 127.730, 307.840

Previews

White Background



This preview shows how the CIELCh color 46, 26.090, 118.559 looks on a white background.

Color Contrast Check

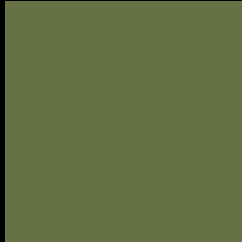
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.090, 118.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

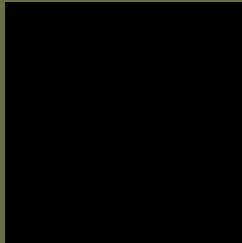
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 26.090, 118.559

Background



This preview shows how black text looks on a background with the CIELCh color 46, 26.090, 118.559.



This preview shows how white text looks on a background with the CIELCh color 46, 26.090, 118.559.

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, 26.090, 118.559

Protanopia

46, 24.430, 95.822

Deuteranopia

46, 22.966, 74.208



Tritanopia
46, 5.356, 290.926

Trichromacy



Original Color
46, 26.090, 118.559

Protanomaly
46, 24.468, 104.581

Deuteranomaly
46, 22.450, 92.781

Tritanomaly
46, 6.165, 125.090

Monochromacy



Original Color
46, 26.090, 118.559

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 9.651, 119.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 26.090, 118.559 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(102, 114, 70)` looks like.

```
.text, #text, p{  
    color:rgb(102, 114, 70)  
}
```

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(102, 114, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 114, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 26.090, 118.559 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(102, 114, 70) }
```

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

```
.border{ border-color:rgb(102, 114, 70) }
```

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

Here you see how a box with a 4 pixel rgb(102, 114, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 114, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 114, 70);  
box-shadow:4px 4px 4px 4px rgb(102, 114,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 26.090, 118.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 114, 70) }
```

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

```
.background{ background-color: rgb(102,  
114, 70) }
```

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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