

Converting Colors

CIELCh(46, 13.252, 128.268)

Have a look what the booklet for
CIELCh(46, 13.252, 128.268)
contains.

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Color

CIELCh(46, 13.124, 127.418)

Conversions

Conversions Part 1

Format	Color
Hex	66705B
RGB	102, 112, 91
RGB Percent	40%, 44%, 36%
CMY	0.5987, 0.5594, 0.6418
CMYK	0.09, 0.00, 0.19, 0.56
HSL	89°, 10%, 40%
HSV	89°, 19%, 44%
XYZ	13.2516, 15.2687, 12.2205
YIQ	106.6160, 0.7810, -8.6510

Conversions

Conversions Part 2

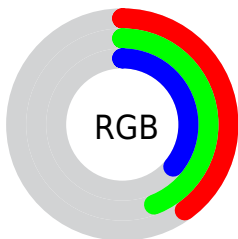
Format	Color
R_{YB}	91, 112, 101
Decimal	6713435
CIE Lab	46.00, -7.97, 10.42
CIE LCh	46, 13.124, 127.418
Yxy	15.2687, 0.3253, 0.3748
Android (android.graphics.Color)	4284903515 (0xFF66705B)
YUV	106.6160, -7.6987, -4.0482
Hunter-Lab	39.0751, -7.8464, 8.8100

Details

The CIELCh color **46, 13.124, 127.418** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 13.463, 309.074**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 13.419, 127.685**, and **26, 13.046, 126.925** is the 20% darker color. If you saturate the color by 10%, you get **45, 20.112, 126.955**, and if you desaturate by 10%, it is **47, 6.101, 127.875**.

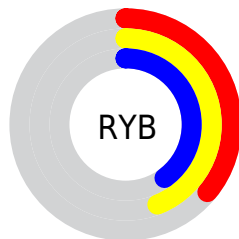
Distribution



Red (40%)

Green (44%)

Blue (36%)



Red (36%)

Yellow (44%)

Blue (40%)

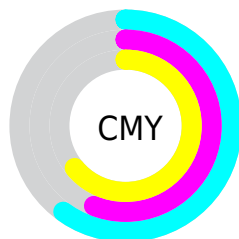


Cyan (9%)

Magenta (0%)

Yellow (19%)

Black (56%)



Cyan (60%)


Magenta (56%)

Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 13.124, 127.418 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, 13.124, 127.418 by changing the saturation by 10% instead.


 46, 13.124,
127.418


 46, 13.124,
127.418


 100, 13.124,
127.418


 36, 13.124,
127.418

 66, 13.124,
127.418


 26, 13.124,
127.418

 76, 13.124,
127.418

 16, 13.124,
127.418


 86, 13.124,
127.418

 6, 13.124, 127.418

 96, 13.124,
127.418

 0, 13.124, 127.418

 46, 13.124,

 46, 13.124,

127.418

127.418

■ 45, 20.112,
126.955

■ 47, 6.101, 127.875

■ 45, 26.996,
126.493

■ 47, 0.913, 308.207

■ 48, 7.885, 308.670

■ 44, 33.686,
126.061

■ 49, 14.790,
309.035

■ 44, 40.048,
125.704

■ 50, 21.611,
309.365

■ 43, 45.898,
125.489

■ 51, 28.335,
309.663

■ 43, 50.991,
125.508

■ 52, 34.953,
309.931

■ 42, 55.052,
125.870

■ 53, 41.462,
310.172

■ 42, 58.308,
126.441

■ 54, 47.856,

■ 42, 58.740,
126.494

310.388

Harmonies

Complementary

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



46, 13.124, 127.418



40, 13.463, 309.074

Rectangle

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



46, 13.124, 127.418



46, 13.124, 177.418



46, 13.124, 307.418



46, 13.124, 357.418

Sweetspot

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



46, 13.125, 127.420



60, 5.190, 127.990



44, 7.641, 69.609



31, 3.470, 127.969



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, 13.125, 127.420



58, 19.063, 127.241



45, 15.141, 142.494



23, 3.938, 127.862



45, 61.581, 126.611



88, 106.079, 127.534

Inverse Universe

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



40, 13.463, 309.074



50, 19.659, 309.267



41, 15.170, 324.472



21, 3.991, 308.611



17, 71.467, 311.795



39, 122.811, 311.166

Previews

White Background



This preview shows how the CIE LCh color 46, 13.124, 127.418 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, 13.124, 127.418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

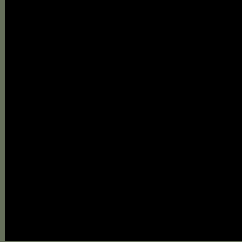
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

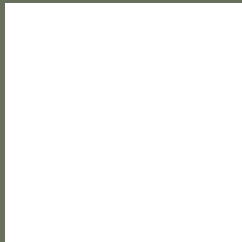
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 13.124, 127.418

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.124, 127.418.



This preview shows how white text looks on a background with the CIELCh color 46, 13.124, 127.418.

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, 13.124, 127.418

Protanopia

46, 12.097, 95.942

Deuteranopia

46, 11.368, 58.563



Tritanopia
46, 4.878, 276.822

Trichromacy



Original Color
46, 13.124, 127.418

Protanomaly
46, 11.796, 108.517

Deuteranomaly
46, 10.253, 86.320

Tritanomaly
46, 2.365, 169.159

Monochromacy



Original Color
46, 13.124, 127.418

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.043, 128.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.124, 127.418 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, 112, 91)` looks like.

```
.text, #text, p{  
    color:rgb(102, 112, 91)  
}
```

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, 112, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 112, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.124, 127.418 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, 112, 91) }
```

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

```
.border{ border-color:rgb(102, 112, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 112, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 112, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 112, 91);  
box-shadow:4px 4px 4px 4px rgb(102, 112,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.124, 127.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 112, 91) }
```

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

```
.background{ background-color: rgb(102,  
112, 91) }
```

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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