

Converting Colors

CIELCh(46, 18.177, 110.442)

Have a look what the booklet for
CIELCh(46, 18.177, 110.442)
contains.

CIELCh(46, 18.204, 110.424)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 18.204, 110.424)

Conversions

Conversions Part 1

Format	Color
Hex	6D6F50
RGB	109, 111, 80
RGB Percent	43%, 44%, 31%
CMY	0.5716, 0.5638, 0.6854
CMYK	0.02, 0.00, 0.28, 0.56
HSL	64°, 16%, 38%
HSV	64°, 28%, 44%
XYZ	13.5019, 15.2687, 9.8681
YIQ	106.8680, 8.7590, -10.0650

Conversions

Conversions Part 2

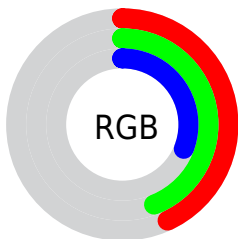
Format	Color
RYB	80, 111, 82
Decimal	7171920
CIELab	46.00, -6.35, 17.06
CIELCh	46, 18.204, 110.424
Yxy	15.2687, 0.3494, 0.3952
Android (android.graphics.Color)	4285362000 (0xFF6D6F50)
YUV	106.8680, -13.2459, 1.8698
Hunter-Lab	39.0751, -6.7032, 12.3794

Details

The CIELCh color $46, 18.204, 110.424$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 19.379, 295.505$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 18.677, 110.701$, and $26, 17.936, 109.684$ is the 20% darker color. If you saturate the color by 10%, you get $46, 24.555, 109.616$, and if you desaturate by 10%, it is $46, 11.727, 111.252$.

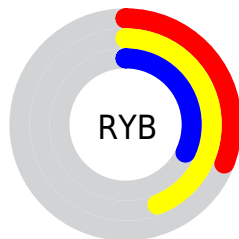
Distribution



Red (43%)

Green (44%)

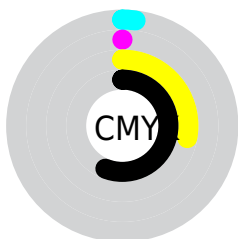
Blue (31%)



Red (31%)

Yellow (44%)

Blue (32%)

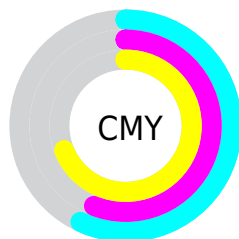


Cyan (2%)

Magenta (0%)

Yellow (28%)

Black (56%)



Cyan (57%)

Magenta (56%)

Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 18.204, 110.424 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, 18.204, 110.424 by changing the saturation by 10% instead.

 46, 18.204,
110.424


 46, 18.204,
110.424


 100, 18.204,
110.424


 36, 18.204,
110.424

 66, 18.204,
110.424


 26, 18.204,
110.424

 76, 18.204,
110.424

 16, 18.204,
110.424


 86, 18.204,
110.424

 6, 18.204, 110.424

 96, 18.204,
110.424

 0, 18.204, 110.424

 46, 18.204,

 46, 18.204,

110.424

110.424

■ 46, 24.555,
109.616

■ 46, 11.727,
111.252

■ 45, 30.691,
108.840

■ 47, 5.179, 112.073

■ 45, 36.484,
108.127

■ 47, 1.402, 292.906

■ 47, 7.989, 293.677

■ 45, 41.747,
107.515

■ 48, 14.564,
294.434

■ 45, 46.232,
107.050

■ 48, 21.112,
295.159

■ 45, 49.659,
106.782

■ 49, 27.625,
295.850

■ 45, 52.180,
106.676

■ 49, 34.092,
296.503

■ 45, 52.728,
106.649

■ 50, 40.509,

Harmonies

Complementary

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



46, 18.204, 110.424



35, 19.379, 295.505

Rectangle

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



46, 18.204, 110.424



46, 18.204, 160.424



46, 18.204, 290.424



46, 18.204, 340.424

Sweetspot

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



46, 18.205, 110.428



60, 6.546, 112.045



38, 13.349, 25.360



31, 4.688, 111.944



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, 18.205, 110.428



59, 26.725, 109.937



45, 19.748, 129.602



23, 3.722, 111.981



48, 55.612, 106.679



93, 95.007, 106.895

Inverse Universe

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



35, 19.379, 295.505



43, 28.904, 296.270



37, 20.395, 311.997



21, 3.797, 293.497



12, 76.171, 306.606



31, 130.462, 306.428

Previews

White Background



This preview shows how the CIE LCh color 46, 18.204, 110.424 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, 18.204, 110.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

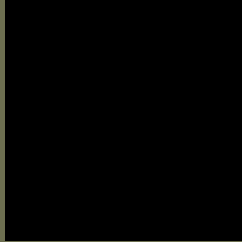
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

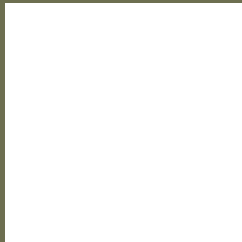
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 18.204, 110.424

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.204, 110.424.



This preview shows how white text looks on a background with the CIELCh color 46, 18.204, 110.424.

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, 18.204, 110.424

Protanopia

46, 18.025, 96.113

Deuteranopia

46, 17.159, 68.858



Tritanopia
46, 5.561, 321.289

Trichromacy



Original Color
46, 18.204, 110.424

Protanomaly
46, 18.290, 101.964

Deuteranomaly
46, 16.662, 85.667

Tritanomaly
46, 4.320, 92.638

Monochromacy



Original Color
46, 18.204, 110.424

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 7.119, 112.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.204, 110.424 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(109, 111, 80)` looks like.

```
.text, #text, p{  
    color:rgb(109, 111, 80)  
}
```

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(109, 111, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 111, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.204, 110.424 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(109, 111, 80) }
```

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

```
.border{ border-color:rgb(109, 111, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 111, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 111, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 111, 80);  
box-shadow:4px 4px 4px 4px rgb(109, 111,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.204, 110.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 111, 80) }
```

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

```
.background{ background-color: rgb(109,  
111, 80) }
```

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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