

Converting Colors

CIELCh(46, 4.064, 208.106)

Have a look what the booklet for
CIELCh(46, 4.064, 208.106) contains.

CIELCh(46, 4.004, 207.592)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 4.004, 207.592)

Conversions

Conversions Part 1

Format	Color
Hex	656F70
RGB	101, 111, 112
RGB Percent	40%, 44%, 44%
CMY	0.6044, 0.5652, 0.5613
CMYK	0.10, 0.01, 0.00, 0.56
HSL	185°, 5%, 42%
HSV	185°, 10%, 44%
XYZ	13.9419, 15.2687, 17.5054
YIQ	108.1240, -6.2810, -1.8090

Conversions

Conversions Part 2

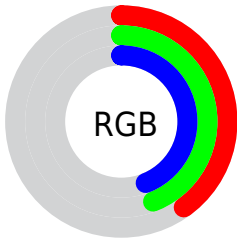
Format	Color
R_{YB}	101, 106, 112
Decimal	6647664
CIE Lab	46.00, -3.55, -1.85
CIE LCh	46, 4.004, 207.592
Yxy	15.2687, 0.2984, 0.3268
Android (android.graphics.Color)	4284837744 (0xFF656F70)
YUV	108.1240, 1.9109, -6.2477
Hunter-Lab	39.0751, -4.6930, 0.7911

Details

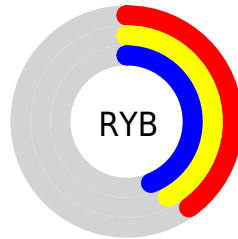
The CIELCh color **46, 4.004, 207.592** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 4.253, 27.878**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 4.127, 206.888**, and **26, 3.928, 208.457** is the 20% darker color. If you saturate the color by 10%, you get **45, 7.859, 207.404**, and if you desaturate by 10%, it is **47, 0.071, 22.572**.

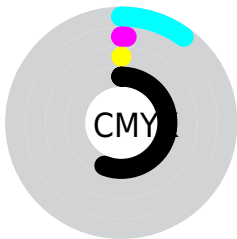
Distribution



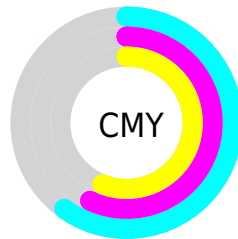
- Red (40%)
- Green (44%)
- Blue (44%)



- Red (40%)
- Yellow (42%)
- Blue (44%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 4.004, 207.592 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, 4.004, 207.592 by changing the saturation by 10% instead.

■ 46, 4.004, 207.592

■ 46, 4.004, 207.592

■ 100, 4.004,
207.592

■ 36, 4.004, 207.592

■ 66, 4.004, 207.592

■ 26, 4.004, 207.592

■ 76, 4.004, 207.592

■ 16, 4.004, 207.592

■ 86, 4.004, 207.592

■ 6, 4.004, 207.592

■ 96, 4.004, 207.592

■ 0, 4.004, 207.592

■ 46, 4.004, 207.592

■ 46, 4.004, 207.592

■ 45, 7.859, 207.404

■ 47, 0.071, 22.572

■ 44, 11.434,
207.353

■ 48, 4.317, 27.856

43, 14.671,
207.421

50, 8.688, 28.198

42, 17.507,
207.628

51, 13.147, 28.544

53, 17.664, 28.907

41, 19.890,
207.998

54, 22.214, 29.282

41, 21.776,
208.559

56, 26.777, 29.664

57, 31.339, 30.050

40, 23.144,
209.342

59, 35.886, 30.436

39, 24.001,
210.375

39, 24.570,
211.548

Harmonies

Complementary

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



46, 4.004, 207.592



44, 4.253, 27.878

Rectangle

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



46, 4.004, 207.592



46, 4.004, 257.592



46, 4.004, 27.592



46, 4.004, 77.592

Sweetspot

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



46, 4.004, 207.575



60, 1.539, 207.898



46, 7.538, 146.232



31, 1.174, 207.830



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, 4.004, 207.575



59, 6.021, 207.519



44, 4.214, 265.162



23, 2.301, 207.598



42, 25.803, 211.694



82, 43.880, 212.677

Inverse Universe

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



44, 7.513, 327.503



56, 11.383, 327.644



46, 4.256, 82.650



22, 4.307, 327.455



27, 61.741, 332.049



57, 105.034, 332.290

Previews

White Background



This preview shows how the CIE LCh color 46, 4.004, 207.592 looks on a white background.

Color Contrast Check

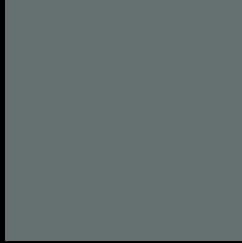
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.004, 207.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

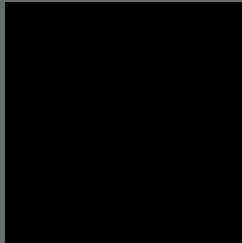
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

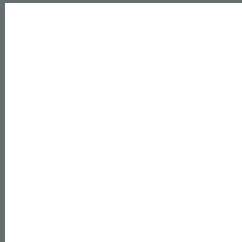
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 4.004, 207.592

Background



This preview shows how black text looks on a background with the CIELCh color 46, 4.004, 207.592.



This preview shows how white text looks on a background with the CIELCh color 46, 4.004, 207.592.

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, 4.004, 207.592

Protanopia

46, 1.454, 324.422

Deuteranopia

46, 6.143, 337.589



Tritanopia
46, 6.117, 260.442

Trichromacy



Original Color
46, 4.004, 207.592

Protanomaly
46, 1.429, 256.006

Deuteranomaly
46, 3.228, 312.626

Tritanomaly
46, 4.696, 248.757

Monochromacy



Original Color
46, 4.004, 207.592

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.619, 199.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 4.004, 207.592 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(101, 111, 112)` looks like.

```
.text, #text, p{  
    color:rgb(101, 111, 112)  
}
```

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(101, 111, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 111, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 4.004, 207.592 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(101, 111, 112) }
```

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

```
.border{ border-color:rgb(101, 111, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 111, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 111, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 111, 112);  
box-shadow:4px 4px 4px 4px rgb(101, 111,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 4.004, 207.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 111, 112) }
```

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

```
.background{ background-color: rgb(101,  
111, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor