

Converting Colors

CIELCh(46, 13.837, 182.665)

Have a look what the booklet for
CIELCh(46, 13.837, 182.665)
contains.

CIELCh(46, 13.874, 182.896)	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, 13.874, 182.896)

Conversions

Conversions Part 1

Format	Color
Hex	51746E
RGB	81, 116, 110
RGB Percent	32%, 45%, 43%
CMY	0.6836, 0.5464, 0.5699
CMYK	0.30, 0.00, 0.05, 0.55
HSL	170°, 18%, 39%
HSV	170°, 30%, 45%
XYZ	12.3701, 15.2687, 16.9542
YIQ	104.8510, -18.9340, -9.2860

Conversions

Conversions Part 2

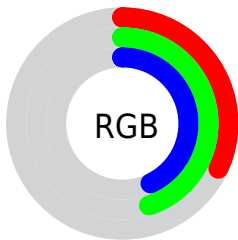
Format	Color
R_{YB}	81, 100, 116
Decimal	5338222
CIE Lab	46.00, -13.86, -0.70
CIE LCh	46, 13.874, 182.896
Yxy	15.2687, 0.2774, 0.3424
Android (android.graphics.Color)	4283528302 (0xFF51746E)
YUV	104.8510, 2.5385, -20.9173
Hunter-Lab	39.0751, -11.8736, 1.6275

Details

The CIELCh color **46, 13.874, 182.896** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 15.802, 8.582**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 13.878, 184.316**, and **26, 13.867, 183.433** is the 20% darker color. If you saturate the color by 10%, you get **45, 17.961, 181.947**, and if you desaturate by 10%, it is **47, 9.492, 183.797**.

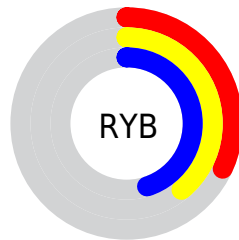
Distribution



Red (32%)

Green (45%)

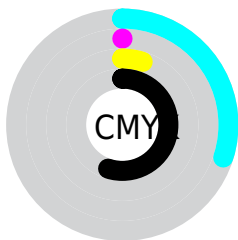
Blue (43%)



Red (32%)

Yellow (39%)

Blue (45%)

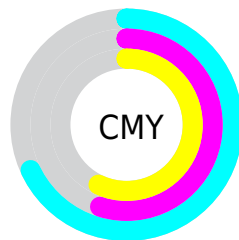


Cyan (30%)

Magenta (0%)

Yellow (5%)

Black (55%)



Cyan (68%)


Magenta (55%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 13.874, 182.896 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, 13.874, 182.896 by changing the saturation by 10% instead.

 46, 13.874,
182.896


 46, 13.874,
182.896


 100, 13.874,
182.896


 36, 13.874,
182.896

 66, 13.874,
182.896


 26, 13.874,
182.896

 76, 13.874,
182.896

 16, 13.874,
182.896


 86, 13.874,
182.896

 6, 13.874, 182.896

 96, 13.874,
182.896

 0, 13.874, 182.896

 46, 13.874,

 46, 13.874,

182.896

182.896

■ 45, 17.961,
181.947

■ 47, 9.492, 183.797

■ 45, 21.677,
180.945

■ 48, 4.884, 184.685

■ 49, 0.119, 188.361

■ 44, 24.956,
179.868

■ 50, 4.747, 6.157

■ 44, 27.743,
178.700

■ 51, 9.663, 6.965

■ 52, 14.592, 7.726

■ 44, 30.006,
177.420

■ 53, 19.501, 8.461

■ 43, 31.745,
176.010

■ 55, 24.368, 9.173

■ 56, 29.177, 9.865

■ 43, 33.161,
174.603

Harmonies

Complementary

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



46, 13.874, 182.896



38, 15.802, 8.582

Rectangle

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



46, 13.874, 182.896



46, 13.874, 232.896



46, 13.874, 2.896



46, 13.874, 52.896

Sweetspot

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



46, 13.875, 182.893



61, 5.326, 184.777



46, 23.924, 137.771



32, 3.724, 184.669



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 13.875, 182.893



58, 20.121, 182.268



43, 10.879, 236.660



24, 2.717, 184.794



46, 34.572, 174.495



88, 59.289, 173.498

Inverse Universe

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



38, 15.802, 8.582



47, 23.655, 9.542



41, 12.849, 51.676



23, 2.819, 6.165



24, 53.977, 29.442



52, 94.237, 32.566

Previews

White Background



This preview shows how the CIELCh color 46, 13.874, 182.896 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, 13.874, 182.896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

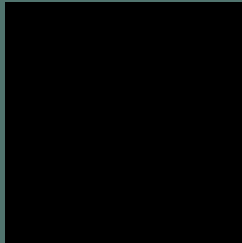
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 13.874, 182.896

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.874, 182.896.



This preview shows how white text looks on a background with the CIELCh color 46, 13.874, 182.896.

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, 13.874, 182.896

Protanopia

46, 2.159, 74.691

Deuteranopia

46, 6.779, 342.445



Tritanopia
46, 11.978, 225.033

Trichromacy



Original Color
46, 13.874, 182.896

Protanomaly
46, 5.071, 170.911

Deuteranomaly
46, 2.315, 230.324

Tritanomaly
46, 11.931, 206.789

Monochromacy



Original Color
46, 13.874, 182.896

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.361, 185.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.874, 182.896 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(81, 116, 110)` looks like.

```
.text, #text, p{  
    color:rgb(81, 116, 110)  
}
```

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(81, 116, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 116, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.874, 182.896 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(81, 116, 110) }
```

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

```
.border{ border-color:rgb(81, 116, 110) }
```

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

Here you see how a box with a 4 pixel rgb(81, 116, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 116, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 116, 110);  
box-shadow:4px 4px 4px 4px rgb(81, 116,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.874, 182.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 116, 110) }
```

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

```
.background{ background-color: rgb(81, 116,  
110) }
```

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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