

Converting Colors

CIELCh(46, 19.137, 148.730)

Have a look what the booklet for
CIELCh(46, 19.137, 148.730)
contains.

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Color

CIELCh(46, 18.891, 148.741)

Conversions

Conversions Part 1

Format	Color
Hex	56745C
RGB	86, 116, 92
RGB Percent	34%, 45%, 36%
CMY	0.6624, 0.5447, 0.6389
CMYK	0.26, 0.00, 0.21, 0.54
HSL	132°, 15%, 40%
HSV	132°, 26%, 46%
XYZ	12.0374, 15.2687, 12.4579
YIQ	104.2940, -10.1760, -13.8240

Conversions

Conversions Part 2

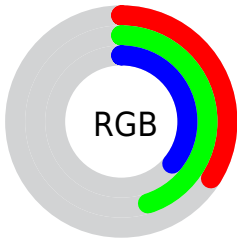
Format	Color
R_{YB}	86, 111, 116
Decimal	5665884
CIE _{Lab}	46.00, -16.15, 9.80
CIE _{LCh}	46, 18.891, 148.741
Yxy	15.2687, 0.3027, 0.3840
Android (android.graphics.Color)	4283855964 (0xFF56745C)
YUV	104.2940, -6.0609, -16.0438
Hunter-Lab	39.0751, -13.3934, 8.4498

Details

The CIELCh color **46, 18.891, 148.741** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 18.973, 332.085**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 19.000, 148.811**, and **26, 19.056, 148.093** is the 20% darker color. If you saturate the color by 10%, you get **45, 26.136, 147.846**, and if you desaturate by 10%, it is **47, 11.562, 149.521**.

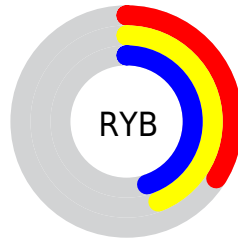
Distribution



Red (34%)

Green (45%)

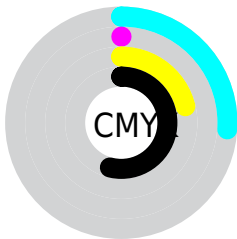
Blue (36%)



Red (34%)

Yellow (44%)

Blue (45%)

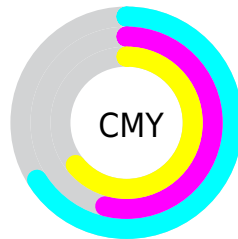


Cyan (26%)

Magenta (0%)

Yellow (21%)

Black (54%)



Cyan (66%)


Magenta (54%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.891, 148.741 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, 18.891, 148.741 by changing the saturation by 10% instead.


 46, 18.891,
148.741


 46, 18.891,
148.741


 100, 18.891,
148.741


 36, 18.891,
148.741

 66, 18.891,
148.741


 26, 18.891,
148.741

 76, 18.891,
148.741

 16, 18.891,
148.741


 86, 18.891,
148.741

 6, 18.891, 148.741

 96, 18.891,
148.741

 0, 18.891, 148.741

 46, 18.891,

 46, 18.891,

148.741

148.741

■ 45, 26.136,
147.846

■ 47, 11.562,
149.521

■ 44, 33.177,
146.819

■ 48, 4.240, 150.224

■ 44, 39.881,
145.647

■ 49, 3.000, 330.690

■ 43, 46.101,
144.328

■ 51, 10.104,
331.250

■ 43, 51.689,
142.875

■ 52, 17.037,
331.707

■ 42, 56.505,
141.326

■ 54, 23.774,
332.107

■ 42, 60.472,
139.800

■ 55, 30.304,
332.461

■ 42, 61.934,
139.289

■ 57, 36.622,
332.777

■ 59, 42.729,
333.061

Harmonies

Complementary

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



46, 18.891, 148.741



40, 18.973, 332.085

Rectangle

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



46, 18.891, 148.741



46, 18.891, 198.741



46, 18.891, 328.741



46, 18.891, 18.741

Sweetspot

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



46, 18.892, 148.741



61, 7.190, 150.060



48, 17.659, 115.618



32, 5.154, 149.972



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, 18.892, 148.741



58, 27.995, 148.225



46, 13.125, 172.448



24, 4.127, 150.002



44, 64.480, 139.186



86, 111.758, 138.256

Inverse Universe

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



40, 18.973, 332.085



50, 28.116, 332.468



40, 14.043, 357.388



23, 4.140, 331.029



27, 57.784, 337.734



57, 97.192, 338.382

Previews

White Background



This preview shows how the CIELCh color 46, 18.891, 148.741 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, 18.891, 148.741 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, 18.891, 148.741

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.891, 148.741.



This preview shows how white text looks on a background with the CIELCh color 46, 18.891, 148.741.

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, 18.891, 148.741

Protanopia

46, 12.222, 93.894

Deuteranopia

46, 10.237, 55.282



Tritanopia
46, 9.362, 233.734

Trichromacy



Original Color
46, 18.891, 148.741

Protanomaly
46, 13.333, 121.434

Deuteranomaly
46, 8.879, 106.153

Tritanomaly
46, 9.550, 187.517

Monochromacy



Original Color
46, 18.891, 148.741

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.622, 152.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.891, 148.741 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(86, 116, 92)` looks like.

```
.text, #text, p{  
    color:rgb(86, 116, 92)  
}
```

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(86, 116, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 116, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.891, 148.741 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(86, 116, 92) }
```

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

```
.border{ border-color:rgb(86, 116, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 116, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 116, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 116, 92);  
box-shadow:4px 4px 4px 4px rgb(86, 116,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.891, 148.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 116, 92) }
```

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

```
.background{ background-color: rgb(86, 116,  
92) }
```

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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