

Converting Colors

CIELCh(46, 16.216, 147.756)

Have a look what the booklet for
CIELCh(46, 16.216, 147.756)
contains.

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Color

CIELCh(46, 16.228, 147.753)

Conversions

Conversions Part 1

Format	Color
Hex	5A735E
RGB	90, 115, 94
RGB Percent	35%, 45%, 37%
CMY	0.6467, 0.5487, 0.6310
CMYK	0.22, 0.00, 0.18, 0.55
HSL	130°, 12%, 40%
HSV	130°, 22%, 45%
XYZ	12.3893, 15.2687, 12.9034
YIQ	105.1310, -8.1590, -11.8310

Conversions

Conversions Part 2

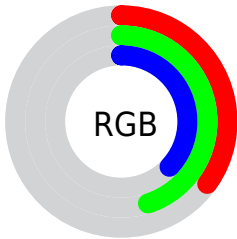
Format	Color
R_{YB}	90, 112, 115
Decimal	5927774
CIE _{Lab}	46.00, -13.72, 8.66
CIE _{LCh}	46, 16.228, 147.753
Y _{xy}	15.2687, 0.3054, 0.3764
Android (android.graphics.Color)	4284117854 (0xFF5A735E)
YUV	105.1310, -5.4876, -13.2699
Hunter-Lab	39.0751, -11.7857, 7.7738

Details

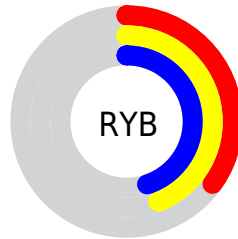
The CIELCh color **46, 16.228, 147.753** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 16.276, 330.418**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 16.497, 147.746**, and **26, 16.212, 147.362** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.687, 146.924**, and if you desaturate by 10%, it is **47, 8.728, 148.477**.

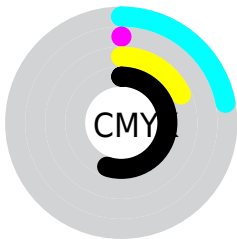
Distribution



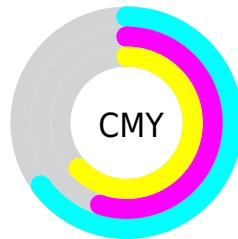
- Red (35%)
- Green (45%)
- Blue (37%)



- Red (35%)
- Yellow (44%)
- Blue (45%)



- Cyan (22%)
- Magenta (0%)
- Yellow (18%)
- Black (55%)





- Cyan (65%)
- Magenta (55%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.228, 147.753 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, 16.228, 147.753 by changing the saturation by 10% instead.


 46, 16.228,
147.753


 46, 16.228,
147.753


 100, 16.228,
147.753


 36, 16.228,
147.753

 66, 16.228,
147.753


 26, 16.228,
147.753

 76, 16.228,
147.753

 16, 16.228,
147.753


 86, 16.228,
147.753

 6, 16.228, 147.753

 96, 16.228,
147.753

 0, 16.228, 147.753

 46, 16.228,

 46, 16.228,

147.753

147.753

■ 45, 23.687,
146.924

■ 47, 8.728, 148.477

■ 44, 30.988,
145.972

■ 48, 1.272, 149.227

■ 43, 37.997,
144.884

■ 50, 6.072, 329.573

■ 43, 44.561,
143.657

■ 51, 13.258,
330.057

■ 42, 50.513,
142.305

■ 52, 20.253,
330.469

■ 42, 55.687,
140.867

■ 54, 27.040,
330.830

■ 42, 59.925,
139.412

■ 56, 33.611,
331.148

■ 42, 62.792,
138.446

■ 57, 39.964,
331.430

■ 59, 46.104,

Harmonies

Complementary

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



46, 16.228, 147.753



41, 16.276, 330.418

Rectangle

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



46, 16.228, 147.753



46, 16.228, 197.753



46, 16.228, 327.753



46, 16.228, 17.753

Sweetspot

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



46, 16.229, 147.753



61, 6.470, 148.783



48, 14.716, 114.519



32, 4.238, 148.756



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, 16.229, 147.753



59, 24.196, 147.357



46, 11.262, 170.648



24, 4.248, 148.657



44, 65.788, 138.339



86, 113.722, 137.527

Inverse Universe

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



41, 16.276, 330.418



52, 24.266, 330.717



41, 11.835, 354.644



23, 4.259, 329.656



27, 59.499, 335.507



57, 100.217, 335.985

Previews

White Background



This preview shows how the CIELCh color 46, 16.228, 147.753 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, 16.228, 147.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

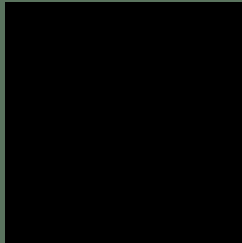
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 16.228, 147.753

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.228, 147.753.



This preview shows how white text looks on a background with the CIELCh color 46, 16.228, 147.753.

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, 16.228, 147.753

Protanopia

46, 10.512, 91.855

Deuteranopia

46, 9.877, 52.645



Tritanopia
46, 7.975, 241.242

Trichromacy



Original Color
46, 16.228, 147.753

Protanomaly
46, 11.422, 119.423

Deuteranomaly
46, 8.372, 100.162

Tritanomaly
46, 7.476, 194.001

Monochromacy



Original Color
46, 16.228, 147.753

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 6.071, 147.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.228, 147.753 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(90, 115, 94)` looks like.

```
.text, #text, p{  
    color:rgb(90, 115, 94)  
}
```

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(90, 115, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 115, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.228, 147.753 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(90, 115, 94) }
```

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

```
.border{ border-color:rgb(90, 115, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 115, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 115, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 115, 94);  
box-shadow:4px 4px 4px 4px rgb(90, 115,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.228, 147.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 115, 94) }
```

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

```
.background{ background-color: rgb(90, 115,  
94) }
```

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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