

Converting Colors

CIELCh(46, 12.542, 157.607)

Have a look what the booklet for
CIELCh(46, 12.542, 157.607)
contains.

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Color

CIELCh(46, 12.172, 158.716)

Conversions

Conversions Part 1

Format	Color
Hex	5B7265
RGB	91, 114, 101
RGB Percent	36%, 45%, 40%
CMY	0.6422, 0.5520, 0.6030
CMYK	0.20, 0.00, 0.11, 0.55
HSL	146°, 11%, 40%
HSV	146°, 20%, 45%
XYZ	12.7420, 15.2687, 14.6475
YIQ	105.6410, -9.5350, -8.9190

Conversions

Conversions Part 2

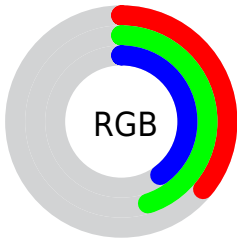
Format	Color
R _Y B	91, 107, 114
Decimal	5993061
CIE Lab	46.00, -11.34, 4.42
CIE LCh	46, 12.172, 158.716
Yxy	15.2687, 0.2987, 0.3579
Android (android.graphics.Color)	4284183141 (0xFF5B7265)
YUV	105.6410, -2.2880, -12.8402
Hunter-Lab	39.0751, -10.1745, 5.1274

Details

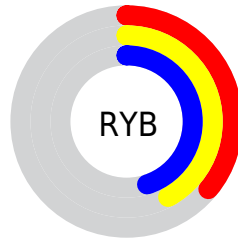
The CIELCh color **46, 12.172, 158.716** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 12.386, 341.836**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 12.312, 159.369**, and **26, 12.233, 157.549** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.159, 157.770**, and if you desaturate by 10%, it is **47, 6.124, 159.572**.

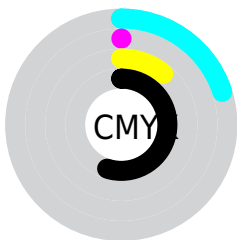
Distribution



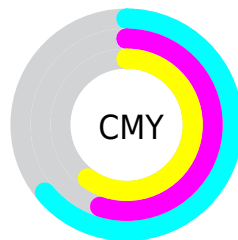
- Red (36%)
- Green (45%)
- Blue (40%)



- Red (36%)
- Yellow (42%)
- Blue (45%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (55%)





- Cyan (64%)
- Magenta (55%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 12.172, 158.716 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, 12.172, 158.716 by changing the saturation by 10% instead.


 46, 12.172,
158.716


 46, 12.172,
158.716


 100, 12.172,
158.716


 36, 12.172,
158.716

 66, 12.172,
158.716


 26, 12.172,
158.716

 76, 12.172,
158.716

 16, 12.172,
158.716


 86, 12.172,
158.716

 6, 12.172, 158.716

 96, 12.172,
158.716

 0, 12.172, 158.716

 46, 12.172,

 46, 12.172,

158.716

■ 45, 18.159,
157.770

■ 44, 23.999,
156.710

■ 44, 29.604,
155.513

■ 43, 34.877,
154.156

■ 43, 39.729,
152.623

■ 42, 44.087,
150.902

■ 42, 47.911,
148.996

■ 42, 51.335,
147.145

158.716

■ 47, 6.124, 159.572

■ 48, 0.080, 163.469

■ 49, 5.906, 340.918

■ 51, 11.794,
341.560

■ 52, 17.553,
342.135

■ 53, 23.166,
342.664

■ 55, 28.622,
343.153

■ 56, 33.914,
343.610

■ 58, 39.044,

Harmonies

Complementary

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



46, 12.172, 158.716



41, 12.386, 341.836

Rectangle

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



46, 12.172, 158.716



46, 12.172, 208.716



46, 12.172, 338.716



46, 12.172, 28.716

Sweetspot

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



46, 12.173, 158.714



60, 4.471, 159.908



47, 14.189, 125.789



31, 2.947, 159.868



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, 12.173, 158.714



58, 17.908, 158.305



46, 8.980, 192.571



23, 3.345, 159.668



44, 53.266, 147.018



86, 93.671, 145.656

Inverse Universe

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



41, 12.386, 341.836



51, 18.285, 342.226



41, 10.018, 15.496



22, 3.375, 340.912



25, 49.613, 354.526



54, 83.997, 356.662

Previews

White Background



This preview shows how the CIELCh color 46, 12.172, 158.716 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, 12.172, 158.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

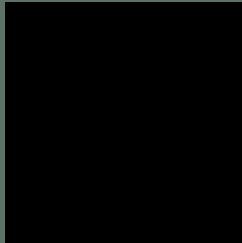
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 12.172, 158.716

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.172, 158.716.



This preview shows how white text looks on a background with the CIELCh color 46, 12.172, 158.716.

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, 12.172, 158.716

Protanopia

46, 6.286, 89.531

Deuteranopia

46, 6.886, 30.030



Tritanopia
46, 7.975, 241.242

Trichromacy



Original Color
46, 12.172, 158.716

Protanomaly
46, 6.859, 127.040

Deuteranomaly
46, 3.646, 96.394

Tritanomaly
46, 7.020, 203.538

Monochromacy



Original Color
46, 12.172, 158.716

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.451, 157.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.172, 158.716 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(91, 114, 101)` looks like.

```
.text, #text, p{  
    color:rgb(91, 114, 101)  
}
```

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(91, 114, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 114, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.172, 158.716 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(91, 114, 101) }
```

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

```
.border{ border-color:rgb(91, 114, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 114, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 114, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 114, 101);  
box-shadow:4px 4px 4px 4px rgb(91, 114,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.172, 158.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 114, 101) }
```

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

```
.background{ background-color: rgb(91, 114,  
101) }
```

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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