

Converting Colors

CIELCh(46, 9.461, 198.371)

Have a look what the booklet for
CIELCh(46, 9.461, 198.371) contains.

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Color

CIELCh(46, 9.576, 198.356)

Conversions

Conversions Part 1

Format	Color
Hex	597272
RGB	89, 114, 114
RGB Percent	35%, 45%, 45%
CMY	0.6523, 0.5543, 0.5543
CMYK	0.22, 0.00, 0.00, 0.55
HSL	180°, 12%, 40%
HSV	180°, 22%, 45%
XYZ	13.0815, 15.2687, 18.0721
YIQ	106.5250, -14.9000, -5.3000

Conversions

Conversions Part 2

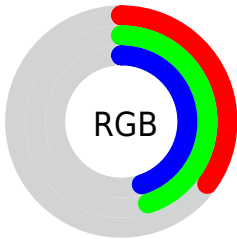
Format	Color
R_{YB}	89, 102, 114
Decimal	5862002
CIE _{Lab}	46.00, -9.09, -3.02
CIE _{LCh}	46, 9.576, 198.356
Yxy	15.2687, 0.2818, 0.3289
Android (android.graphics.Color)	4284052082 (0xFF597272)
YUV	106.5250, 3.6852, -15.3694
Hunter-Lab	39.0751, -8.6235, -0.0688

Details

The CIELCh color $46, 9.576, 198.356$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 10.988, 20.912$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 9.460, 198.635$, and $26, 9.695, 197.840$ is the 20% darker color. If you saturate the color by 10%, you get $45, 13.464, 197.907$, and if you desaturate by 10%, it is $47, 5.370, 198.855$.

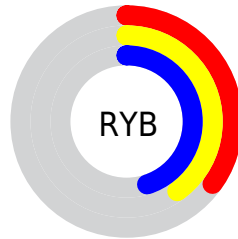
Distribution



Red (35%)

Green (45%)

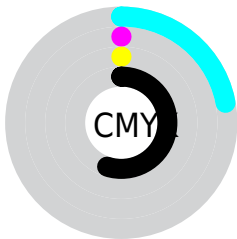
Blue (45%)



Red (35%)

Yellow (40%)

Blue (45%)

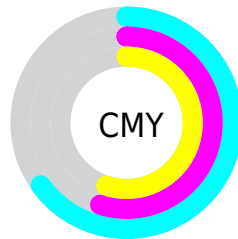


Cyan (22%)

Magenta (0%)

Yellow (0%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 9.576, 198.356 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, 9.576, 198.356 by changing the saturation by 10% instead.

■ 46, 9.576, 198.356

■ 46, 9.576, 198.356

■ 100, 9.576,
198.356

■ 36, 9.576, 198.356

■ 66, 9.576, 198.356

■ 26, 9.576, 198.356

■ 76, 9.576, 198.356

■ 16, 9.576, 198.356

■ 86, 9.576, 198.356

■ 6, 9.576, 198.356

■ 96, 9.576, 198.356

■ 0, 9.576, 198.356

■ 46, 9.576, 198.356

■ 46, 9.576, 198.356

■ 45, 13.464,
197.907

■ 47, 5.370, 198.855

■ 45, 16.965,

■ 48, 0.911, 199.698

197.519

49, 3.740, 19.740

44, 20.018,
197.186

50, 8.528, 20.357

44, 22.570,
196.912

51, 13.408, 20.952

43, 24.588,
196.698

52, 18.341, 21.549

43, 26.061,
196.543

54, 23.297, 22.148

43, 27.011,
196.444

55, 28.250, 22.746

43, 27.607,
196.382

Harmonies

Complementary

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



46, 9.576, 198.356



40, 10.988, 20.912

Rectangle

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



46, 9.576, 198.356



46, 9.576, 248.356



46, 9.576, 18.356



46, 9.576, 68.356

Sweetspot

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



46, 9.576, 198.350



60, 3.936, 199.140



45, 18.083, 142.686



31, 2.539, 199.116



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, 9.576, 198.350



59, 13.839, 198.136



42, 8.671, 256.582



23, 2.511, 199.027



45, 28.675, 196.382



89, 48.973, 196.381

Inverse Universe

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



40, 10.988, 20.912



50, 16.402, 21.368



44, 9.217, 71.052



22, 2.649, 19.855



24, 58.000, 37.789



52, 102.188, 39.999

Previews

White Background



This preview shows how the CIELCh color 46, 9.576, 198.356 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, 9.576, 198.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

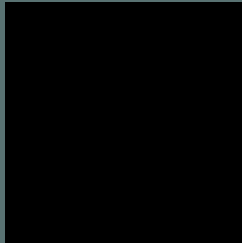
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 9.576, 198.356

Background



This preview shows how black text looks on a background with the CIELCh color 46, 9.576, 198.356.



This preview shows how white text looks on a background with the CIELCh color 46, 9.576, 198.356.

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, 9.576, 198.356

Protanopia

46, 1.454, 324.422

Deuteranopia

46, 7.465, 327.490



Tritanopia
46, 9.651, 232.517

Trichromacy



Original Color
46, 9.576, 198.356

Protanomaly
46, 3.240, 209.744

Deuteranomaly
46, 4.229, 279.951

Tritanomaly
46, 9.098, 217.683

Monochromacy



Original Color
46, 9.576, 198.356

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.606, 199.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 9.576, 198.356 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(89, 114, 114)` looks like.

```
.text, #text, p{  
    color:rgb(89, 114, 114)  
}
```

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(89, 114, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 114, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 9.576, 198.356 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(89, 114, 114) }
```

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

```
.border{ border-color:rgb(89, 114, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 114, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 114, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 114, 114);  
box-shadow:4px 4px 4px 4px rgb(89, 114,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 9.576, 198.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 114, 114) }
```

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

```
.background{ background-color: rgb(89, 114,  
114) }
```

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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