

Converting Colors

CIELCh(46, 26.604, 42.556)

Have a look what the booklet for
CIELCh(46, 26.604, 42.556) contains.

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Color

CIELCh(46, 26.666, 42.561)

Conversions

Conversions Part 1

Format	Color
Hex	956050
RGB	149, 96, 80
RGB Percent	58%, 38%, 31%
CMY	0.4166, 0.6244, 0.6871
CMYK	0.00, 0.36, 0.46, 0.42
HSL	14°, 30%, 45%
HSV	14°, 46%, 58%
XYZ	17.9531, 15.2687, 9.5498
YIQ	110.0230, 36.7240, 6.2600

Conversions

Conversions Part 2

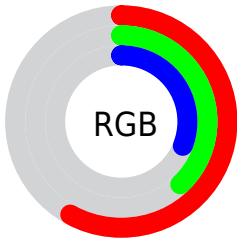
Format	Color
R_{YB}	149, 101, 80
Decimal	9789520
CIE _{Lab}	46.00, 19.64, 18.04
CIE _{LCh}	46, 26.666, 42.561
Yxy	15.2687, 0.4197, 0.3570
Android (android.graphics.Color)	4287979600 (0xFF956050)
YUV	110.0230, -14.8013, 34.1828
Hunter-Lab	39.0751, 13.6306, 12.8624

Details

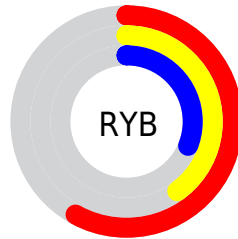
The CIELCh color **46, 26.666, 42.561** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **52, 19.268, 226.956**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 26.715, 42.966**, and **26, 26.961, 42.813** is the 20% darker color. If you saturate the color by 10%, you get **43, 33.686, 42.838**, and if you desaturate by 10%, it is **49, 20.095, 42.470**.

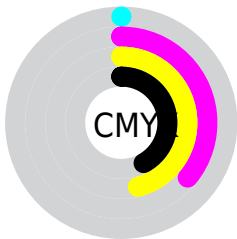
Distribution



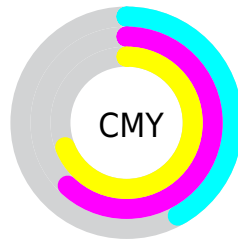
- Red (58%)
- Green (38%)
- Blue (31%)



- Red (58%)
- Yellow (40%)
- Blue (31%)



- Cyan (0%)
- Magenta (36%)
- Yellow (46%)
- Black (42%)



- Cyan (42%)
- Magenta (62%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 26.666, 42.561 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, 26.666, 42.561 by changing the saturation by 10% instead.

■ 46, 26.666, 42.561

■ 46, 26.666, 42.561

■ 100, 26.666,
42.561

■ 36, 26.666, 42.561

■ 66, 26.666, 42.561

■ 26, 26.666, 42.561

■ 76, 26.666, 42.561

■ 16, 26.666, 42.561

■ 86, 26.666, 42.561

■ 6, 26.666, 42.561

■ 96, 26.666, 42.561

■ 0, 26.666, 42.561

■ 46, 26.666, 42.561

■ 46, 26.666, 42.561

■ 43, 33.686, 42.838

■ 49, 20.095, 42.470

■ 40, 41.089, 43.293

■ 52, 13.993, 42.524

38, 48.695, 43.885

56, 8.344, 42.690

35, 56.098, 44.432

59, 3.119, 42.887

34, 62.596, 44.645

63, 1.722, 223.628

33, 64.919, 44.922

66, 6.216, 223.855

70, 10.405,
224.269

74, 14.323,
224.723

77, 18.003,
225.195

Harmonies

Complementary

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



46, 26.666, 42.561



52, 19.268, 226.956

Rectangle

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



46, 26.666, 42.561



46, 26.666, 92.561



46, 26.666, 222.561



46, 26.666, 272.561

Sweetspot

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



46, 26.665, 42.566



72, 8.786, 42.734



44, 40.601, 334.173



37, 6.096, 42.693



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



46, 26.665, 42.566



55, 41.648, 42.867



55, 29.460, 89.148



29, 2.788, 42.842



30, 60.951, 44.878



1, 2.361, 43.234

Inverse Universe

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



52, 19.268, 226.956



65, 27.412, 228.710



43, 30.125, 282.616



30, 2.642, 223.727



41, 28.279, 241.288



2, 2.361, 223.254

Previews

White Background



This preview shows how the CIELCh color 46, 26.666, 42.561 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, 26.666, 42.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

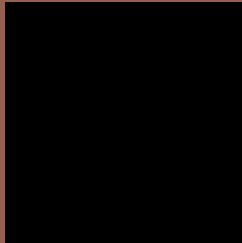
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 26.666, 42.561

Background



This preview shows how black text looks on a background with the CIELCh color 46, 26.666, 42.561.



This preview shows how white text looks on a background with the CIELCh color 46, 26.666, 42.561.

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, 26.666, 42.561

Protanopia

46, 13.920, 95.389

Deuteranopia

46, 19.856, 72.569



Tritanopia
46, 24.948, 13.567

Trichromacy



Original Color
46, 26.666, 42.561

Protanomaly
46, 16.219, 66.517

Deuteranomaly
46, 21.437, 59.487

Tritanomaly
46, 24.922, 24.082

Monochromacy



Original Color
46, 26.666, 42.561

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.949, 43.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 26.666, 42.561 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(149, 96, 80)` looks like.

```
.text, #text, p{  
    color:rgb(149, 96, 80)  
}
```

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(149, 96, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 96, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 26.666, 42.561 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(149, 96, 80) }
```

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

```
.border{ border-color:rgb(149, 96, 80) }
```

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

Here you see how a box with a 4 pixel rgb(149, 96, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 96, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 96, 80);  
box-shadow:4px 4px 4px 4px rgb(149, 96,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 26.666, 42.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 96, 80) }
```

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

```
.background{ background-color: rgb(149, 96,  
80) }
```

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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