

Converting Colors

CIELCh(46, 25.312, 156.907)

Have a look what the booklet for
CIELCh(46, 25.312, 156.907)
contains.

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Color

CIELCh(46, 25.133, 157.248)

Conversions

Conversions Part 1

Format	Color
Hex	46775C
RGB	70, 119, 92
RGB Percent	27%, 47%, 36%
CMY	0.7255, 0.5333, 0.6392
CMYK	0.41, 0.00, 0.23, 0.53
HSL	147°, 26%, 37%
HSV	147°, 41%, 47%
XYZ	11.0545, 15.2687, 12.4898
YIQ	101.2710, -20.5370, -18.7850

Conversions

Conversions Part 2

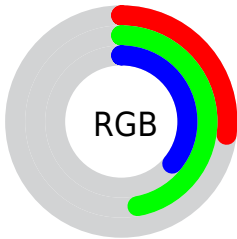
Format	Color
R_YB	70, 104, 119
Decimal	4618076
CIE Lab	46.00, -23.18, 9.72
CIE LCh	46, 25.133, 157.248
Yxy	15.2687, 0.2848, 0.3934
Android (android.graphics.Color)	4282808156 (0xFF46775C)
YUV	101.2710, -4.5706, -27.4247
Hunter-Lab	39.0751, -17.8831, 8.4015

Details

The CIELCh color **46, 25.133, 157.248** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 26.020, 344.632**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.413, 156.641**, and **26, 25.201, 157.360** is the 20% darker color. If you saturate the color by 10%, you get **45, 30.814, 156.020**, and if you desaturate by 10%, it is **47, 19.194, 158.334**.

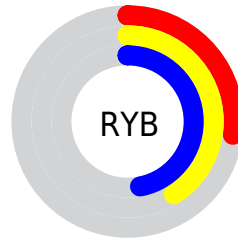
Distribution



Red (27%)

Green (47%)

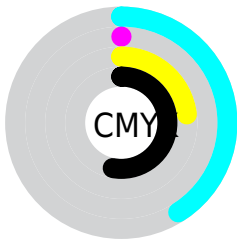
Blue (36%)



Red (27%)

Yellow (41%)

Blue (47%)

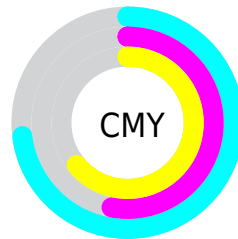


Cyan (41%)

Magenta (0%)

Yellow (23%)

Black (53%)



Cyan (73%)


Magenta (53%)

Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.133, 157.248 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, 25.133, 157.248 by changing the saturation by 10% instead.

 46, 25.133,
157.248


 46, 25.133,
157.248


 100, 25.133,
157.248


 36, 25.133,
157.248

 66, 25.133,
157.248


 26, 25.133,
157.248

 76, 25.133,
157.248

 16, 25.133,
157.248

 86, 25.133,
157.248

 6, 25.133, 157.248

 96, 25.133,
157.248

 0, 25.133, 157.248

 46, 25.133,

 46, 25.133,

157.248

157.248

■ 45, 30.814,
156.020

■ 47, 19.194,
158.334

■ 45, 36.138,
154.631

■ 48, 13.091,
159.302

■ 44, 41.016,
153.061

■ 49, 6.909, 160.179

■ 44, 45.377,
151.301

■ 50, 0.721, 161.281

■ 51, 5.416, 341.564

■ 44, 49.189,
149.354

■ 52, 11.458,
342.228

■ 43, 52.270,
147.670

■ 54, 17.375,
342.822

■ 55, 23.144,
343.368

■ 57, 28.754,

Harmonies

Complementary

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



46, 25.133, 157.248



36, 26.020, 344.632

Rectangle

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



46, 25.133, 157.248



46, 25.133, 207.248



46, 25.133, 337.248



46, 25.133, 27.248

Sweetspot

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



46, 25.134, 157.247



62, 9.239, 160.083



47, 29.738, 124.784



32, 6.177, 159.999



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 25.134, 157.247



59, 36.792, 156.141



47, 17.731, 191.154



24, 3.436, 160.361



45, 53.417, 147.597



87, 93.164, 146.267

Inverse Universe

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



36, 26.020, 344.632



44, 38.215, 345.694



36, 22.576, 18.214



23, 3.469, 341.634



25, 50.089, 355.832



54, 84.264, 358.011

Previews

White Background



This preview shows how the CIELCh color 46, 25.133, 157.248 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, 25.133, 157.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

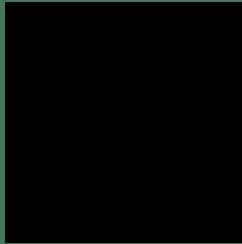
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.133, 157.248

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.133, 157.248.



This preview shows how white text looks on a background with the CIELCh color 46, 25.133, 157.248.

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, 25.133, 157.248

Protanopia

46, 12.795, 94.436

Deuteranopia

46, 10.277, 51.328



Tritanopia
46, 14.287, 220.222

Trichromacy



Original Color
46, 25.133, 157.248

Protanomaly
46, 14.695, 130.459

Deuteranomaly
45, 9.152, 122.347

Tritanomaly
46, 15.749, 188.902

Monochromacy



Original Color
46, 25.133, 157.248

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 9.550, 159.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.133, 157.248 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(70, 119, 92)` looks like.

```
.text, #text, p{  
    color:rgb(70, 119, 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(70, 119, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 119, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.133, 157.248 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(70, 119, 92) }
```

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

```
.border{ border-color:rgb(70, 119, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 119, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 119, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 119, 92);  
box-shadow:4px 4px 4px 4px rgb(70, 119,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.133, 157.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 119, 92) }
```

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

```
.background{ background-color: rgb(70, 119,  
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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