

Converting Colors

CIELCh(46, 25.527, 160.606)

Have a look what the booklet for
CIELCh(46, 25.527, 160.606)
contains.

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Color

CIELCh(46, 25.351, 160.880)

Conversions

Conversions Part 1

Format	Color
Hex	42775E
RGB	66, 119, 94
RGB Percent	26%, 47%, 37%
CMY	0.7397, 0.5319, 0.6300
CMYK	0.44, 0.00, 0.21, 0.53
HSL	152°, 29%, 36%
HSV	152°, 44%, 47%
XYZ	10.9495, 15.2687, 13.0439
YIQ	100.3030, -23.5630, -19.0110

Conversions

Conversions Part 2

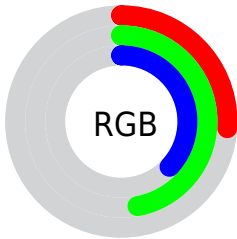
Format	Color
RYB	66, 101, 119
Decimal	4355934
CIELab	46.00, -23.95, 8.30
CIElCh	46, 25.351, 160.880
Yxy	15.2687, 0.2789, 0.3889
Android (android.graphics.Color)	4282546014 (0xFF42775E)
YUV	100.3030, -3.1074, -30.0837
Hunter-Lab	39.0751, -18.3627, 7.5607

Details

The CIELCh color **46, 25.351, 160.880** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 26.855, 349.641**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.705, 160.227**, and **26, 25.326, 161.037** is the 20% darker color. If you saturate the color by 10%, you get **45, 30.506, 159.579**, and if you desaturate by 10%, it is **47, 19.894, 162.038**.

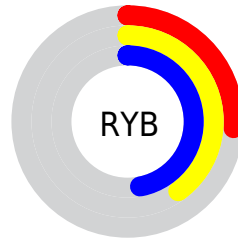
Distribution



Red (26%)

Green (47%)

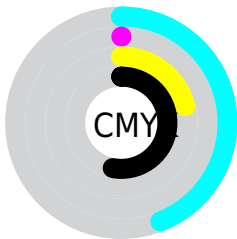
Blue (37%)



Red (26%)

Yellow (40%)

Blue (47%)

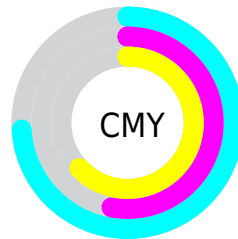


Cyan (44%)

Magenta (0%)

Yellow (21%)

Black (53%)



Cyan (74%)


Magenta (53%)

Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.351, 160.880 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, 25.351, 160.880 by changing the saturation by 10% instead.


 46, 25.351,
160.880


 46, 25.351,
160.880


 100, 25.351,
160.880


 36, 25.351,
160.880

 66, 25.351,
160.880


 26, 25.351,
160.880

 76, 25.351,
160.880

 16, 25.351,
160.880

 86, 25.351,
160.880

 6, 25.351, 160.880

 96, 25.351,
160.880

 0, 25.351, 160.880

 46, 25.351,

 46, 25.351,

160.880

160.880

■ 45, 30.506,
159.579

■ 47, 19.894,
162.038

■ 45, 35.269,
158.117

■ 48, 14.224,
163.078

■ 44, 39.568,
156.472

■ 49, 8.426, 164.025

■ 44, 43.354,
154.632

■ 50, 2.574, 164.948

■ 51, 3.270, 345.525

■ 44, 46.638,
152.621

■ 52, 9.058, 346.294

■ 44, 48.402,
151.555

■ 53, 14.753,
346.969

■ 55, 20.330,
347.592

■ 56, 25.772,
348.175

Harmonies

Complementary

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



46, 25.351, 160.880



35, 26.855, 349.641

Rectangle

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



46, 25.351, 160.880



46, 25.351, 210.880



46, 25.351, 340.880



46, 25.351, 30.880

Sweetspot

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



46, 25.352, 160.879



62, 9.445, 164.123



47, 32.759, 127.676



32, 6.659, 163.953



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, 25.352, 160.879



58, 36.915, 159.590



46, 18.131, 199.135



24, 3.246, 164.511



45, 49.342, 151.489



87, 85.955, 150.128

Inverse Universe

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



35, 26.855, 349.641



43, 39.403, 351.077



35, 24.624, 24.811



23, 3.289, 345.870



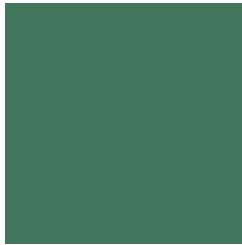
25, 49.160, 2.924



54, 83.154, 5.638

Previews

White Background



This preview shows how the CIELCh color 46, 25.351, 160.880 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, 25.351, 160.880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

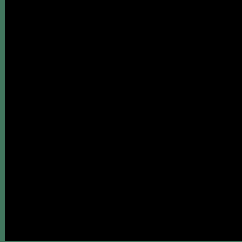
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.351, 160.880

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.351, 160.880.



This preview shows how white text looks on a background with the CIELCh color 46, 25.351, 160.880.

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, 25.351, 160.880

Protanopia

46, 11.651, 93.290

Deuteranopia

46, 8.836, 48.014



Tritanopia
46, 15.265, 221.103

Trichromacy



Original Color
46, 25.351, 160.880

Protanomaly
45, 13.986, 135.385

Deuteranomaly
45, 8.432, 132.532

Tritanomaly
46, 16.811, 191.416

Monochromacy



Original Color
46, 25.351, 160.880

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 9.807, 164.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.351, 160.880 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(66, 119, 94)` looks like.

```
.text, #text, p{  
    color:rgb(66, 119, 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(66, 119, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 119, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.351, 160.880 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(66, 119, 94) }
```

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

```
.border{ border-color:rgb(66, 119, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 119, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 119, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 119, 94);  
box-shadow:4px 4px 4px 4px rgb(66, 119,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.351, 160.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 119, 94) }
```

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

```
.background{ background-color: rgb(66, 119,  
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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