

Converting Colors

CIELCh(46, 25.562, 164.984)

Have a look what the booklet for
CIELCh(46, 25.562, 164.984)
contains.

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Color

CIELCh(46, 25.826, 164.706)

Conversions

Conversions Part 1

Format	Color
Hex	3E7861
RGB	62, 120, 97
RGB Percent	24%, 47%, 38%
CMY	0.7575, 0.5301, 0.6203
CMYK	0.48, 0.00, 0.19, 0.53
HSL	156°, 32%, 36%
HSV	156°, 48%, 47%
XYZ	10.8206, 15.2687, 13.6449
YIQ	100.0360, -27.1850, -19.4490

Conversions

Conversions Part 2

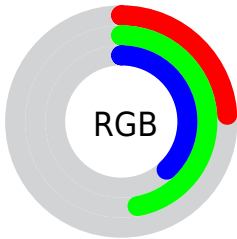
Format	Color
R_{YB}	62, 98, 120
Decimal	4094049
CIE _{Lab}	46.00, -24.91, 6.81
CIE _{LCh}	46, 25.826, 164.706
Yxy	15.2687, 0.2723, 0.3843
Android (android.graphics.Color)	4282284129 (0xFF3E7861)
YUV	100.0360, -1.4967, -33.3576
Hunter-Lab	39.0751, -18.9518, 6.6488

Details

The CIELCh color **46, 25.826, 164.706** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 28.279, 355.123**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.953, 165.007**, and **26, 25.691, 164.950** is the 20% darker color. If you saturate the color by 10%, you get **45, 30.431, 163.344**, and if you desaturate by 10%, it is **47, 20.866, 165.926**.

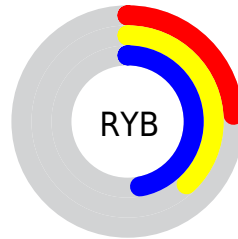
Distribution



 Red (24%)

 Green (47%)

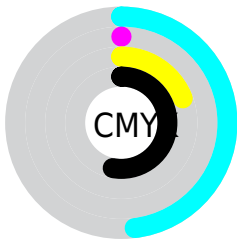
 Blue (38%)




 Red (24%)

 Yellow (38%)

 Blue (47%)

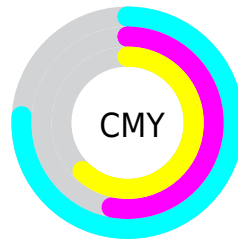


 Cyan (48%)


 Magenta (0%)

 Yellow (19%)

 Black (53%)



 Cyan (76%)


 Magenta (53%)


 Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.826, 164.706 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, 25.826, 164.706 by changing the saturation by 10% instead.


 46, 25.826,
164.706


 46, 25.826,
164.706


 100, 25.826,
164.706


 36, 25.826,
164.706

 66, 25.826,
164.706


 26, 25.826,
164.706

 76, 25.826,
164.706

 16, 25.826,
164.706

 86, 25.826,
164.706

 6, 25.826, 164.706

 96, 25.826,
164.706

 0, 25.826, 164.706

 46, 25.826,

 46, 25.826,

164.706

■ 45, 30.431,
163.344

■ 45, 34.601,
161.822

■ 45, 38.281,
160.118

■ 44, 41.446,
158.221

■ 44, 44.230,
156.239

■ 44, 44.674,
155.943

164.706

■ 47, 20.866,
165.926

■ 48, 15.633,
167.029

■ 48, 10.212,
168.037

■ 49, 4.681, 168.986

■ 51, 0.895, 349.423

■ 52, 6.461, 350.500

■ 53, 11.974,
351.255

■ 54, 17.404,
351.952

■ 56, 22.727,

Harmonies

Complementary

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



46, 25.826, 164.706



34, 28.279, 355.123

Rectangle

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



46, 25.826, 164.706



46, 25.826, 214.706



46, 25.826, 344.706



46, 25.826, 34.706

Sweetspot

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



46, 25.827, 164.705



62, 10.323, 168.328



47, 36.530, 130.320



32, 7.092, 168.165



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, 25.827, 164.705



58, 37.314, 163.196



45, 17.949, 208.759



24, 3.080, 168.927



45, 45.405, 155.887



87, 78.915, 154.534

Inverse Universe

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



34, 28.279, 355.123



41, 41.452, 357.108



35, 25.522, 31.362



23, 3.136, 350.355



25, 49.138, 9.981



53, 83.769, 13.110

Previews

White Background



This preview shows how the CIELCh color 46, 25.826, 164.706 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, 25.826, 164.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

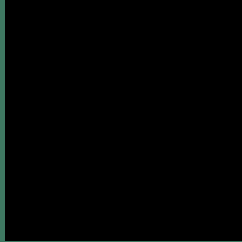
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.826, 164.706

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.826, 164.706.



This preview shows how white text looks on a background with the CIELCh color 46, 25.826, 164.706.

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, 25.826, 164.706

Protanopia

46, 10.391, 94.174

Deuteranopia

46, 7.878, 42.147



Tritanopia
46, 16.489, 216.908

Trichromacy



Original Color
46, 25.826, 164.706

Protanomaly
45, 13.374, 140.709

Deuteranomaly
45, 7.777, 141.495

Tritanomaly
46, 17.845, 193.592

Monochromacy



Original Color
46, 25.826, 164.706

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 9.809, 168.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.826, 164.706 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(62, 120, 97)` looks like.

```
.text, #text, p{  
    color:rgb(62, 120, 97)  
}
```

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(62, 120, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 120, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.826, 164.706 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(62, 120, 97) }
```

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

```
.border{ border-color:rgb(62, 120, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 120, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 120, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 120, 97);  
box-shadow:4px 4px 4px 4px rgb(62, 120,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.826, 164.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 120, 97) }
```

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

```
.background{ background-color: rgb(62, 120,  
97) }
```

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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