

Converting Colors

CIELCh(46, 26.949, 253.938)

Have a look what the booklet for
CIELCh(46, 26.949, 253.938)
contains.

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Color

CIELCh(46, 26.949, 253.620)

Conversions

Conversions Part 1

Format	Color
Hex	377398
RGB	55, 115, 152
RGB Percent	22%, 45%, 60%
CMY	0.7854, 0.5500, 0.4049
CMYK	0.64, 0.24, 0.00, 0.40
HSL	203°, 47%, 40%
HSV	203°, 64%, 60%
XYZ	13.3092, 15.2687, 31.8413
YIQ	101.2780, -47.6370, -1.2130

Conversions

Conversions Part 2

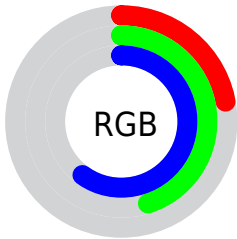
Format	Color
RYB	55, 92, 152
Decimal	3634072
CIELab	46.00, -7.60, -25.86
CIElCh	46, 26.949, 253.620
Yxy	15.2687, 0.2203, 0.2527
Android (android.graphics.Color)	4281824152 (0xFF377398)
YUV	101.2780, 25.0059, -40.5858
Hunter-Lab	39.0751, -7.5836, -20.9613

Details

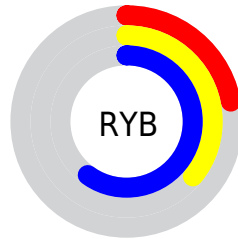
The CIELCh color **46, 26.949, 253.620** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **45, 37.730, 56.206**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 26.772, 252.889**, and **27, 25.562, 259.403** is the 20% darker color. If you saturate the color by 10%, you get **44, 30.232, 257.176**, and if you desaturate by 10%, it is **48, 23.397, 250.638**.

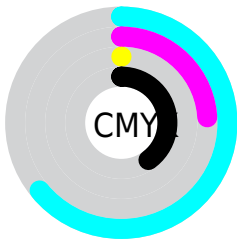
Distribution



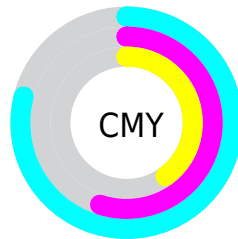
- Red (22%)
- Green (45%)
- Blue (60%)



- Red (22%)
- Yellow (36%)
- Blue (60%)



- Cyan (64%)
- Magenta (24%)
- Yellow (0%)
- Black (40%)




- Cyan (79%)
- Magenta (55%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 26.949, 253.620 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, 26.949, 253.620 by changing the saturation by 10% instead.


 46, 26.949,
253.620


 46, 26.949,
253.620


 100, 26.949,
253.620


 36, 26.949,
253.620

 66, 26.949,
253.620


 26, 26.949,
253.620

 76, 26.949,
253.620

 16, 26.949,
253.620

 86, 26.949,
253.620

 6, 26.949, 253.620

 96, 26.949,
253.620

 0, 26.949, 253.620

 46, 26.949,

 46, 26.949,

253.620

■ 44, 30.232,
257.176

■ 42, 33.301,
261.322

■ 39, 36.250,
265.997

■ 38, 38.084,
268.808

253.620

■ 48, 23.397,
250.638

■ 51, 19.565,
248.172

■ 54, 15.465,
246.150

■ 56, 11.128,
244.500

■ 59, 6.591, 243.162

■ 62, 1.893, 242.185

■ 64, 2.930, 60.937

■ 67, 7.845, 60.250

■ 70, 12.826, 59.627

Harmonies

Complementary

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



46, 26.949, 253.620



45, 37.730, 56.206

Rectangle

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



46, 26.949, 253.620



46, 26.949, 303.620



46, 26.949, 73.620



46, 26.949, 123.620

Sweetspot

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



46, 26.948, 253.620



73, 10.983, 243.852



56, 48.979, 150.372



38, 7.584, 244.219



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 26.948, 253.620



55, 38.303, 258.998



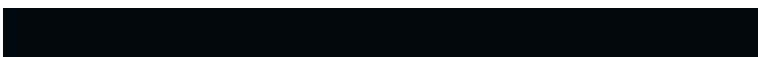
32, 52.817, 295.135



31, 2.709, 242.637



35, 35.775, 268.420



2, 2.977, 242.882

Inverse Universe

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



39, 48.948, 343.797



46, 67.673, 346.071



57, 45.785, 97.219



30, 4.543, 338.392



30, 56.737, 350.598



1, 4.833, 338.237

Previews

White Background



This preview shows how the CIELCh color 46, 26.949, 253.620 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, 26.949, 253.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

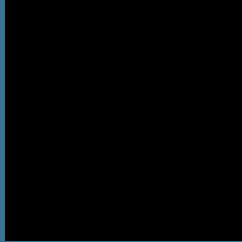
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

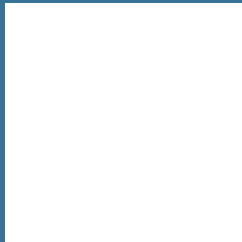
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 26.949, 253.620

Background



This preview shows how black text looks on a background with the CIELCh color 46, 26.949, 253.620.

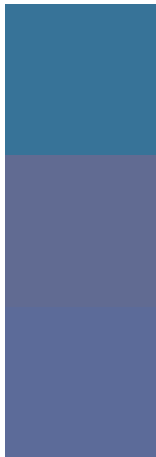


This preview shows how white text looks on a background with the CIELCh color 46, 26.949, 253.620.

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, 26.949, 253.620

Protanopia
46, 23.335, 284.891

Deuteranopia
46, 27.598, 283.640



Tritanopia
46, 23.237, 212.112

Trichromacy



Original Color
46, 26.949, 253.620

Protanomaly
46, 23.926, 270.950

Deuteranomaly
46, 26.944, 271.872

Tritanomaly
46, 23.172, 228.763

Monochromacy



Original Color
46, 26.949, 253.620

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.046, 243.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 26.949, 253.620 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(55, 115, 152)` looks like.

```
.text, #text, p{  
    color:rgb(55, 115, 152)  
}
```

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(55, 115, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 115, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 26.949, 253.620 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(55, 115, 152) }
```

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

```
.border{ border-color:rgb(55, 115, 152) }
```

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

Here you see how a box with a 4 pixel rgb(55, 115, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 115, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 115, 152);  
box-shadow:4px 4px 4px 4px rgb(55, 115,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 26.949, 253.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 115, 152) }
```

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

```
.background{ background-color: rgb(55, 115,  
152) }
```

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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