

Converting Colors

CIELCh(46, 27.462, 256.894)

Have a look what the booklet for
CIELCh(46, 27.462, 256.894)
contains.

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Color

CIELCh(46, 27.455, 256.770)

Conversions

Conversions Part 1

Format	Color
Hex	397299
RGB	57, 114, 153
RGB Percent	22%, 45%, 60%
CMY	0.7755, 0.5521, 0.3991
CMYK	0.63, 0.25, 0.00, 0.40
HSL	204°, 46%, 41%
HSV	204°, 63%, 60%
XYZ	13.5126, 15.2687, 32.4723
YIQ	101.4030, -46.4910, 0.0450

Conversions

Conversions Part 2

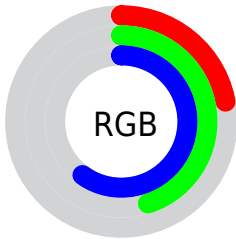
Format	Color
R_{YB}	57, 93, 153
Decimal	3764889
CIE _{Lab}	46.00, -6.28, -26.73
CIE _{LCh}	46, 27.455, 256.770
Yxy	15.2687, 0.2206, 0.2493
Android (android.graphics.Color)	4281954969 (0xFF397299)
YUV	101.4030, 25.4373, -38.9414
Hunter-Lab	39.0751, -6.6541, -21.9186

Details

The CIELCh color **46, 27.455, 256.770** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **46, 36.970, 58.699**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 27.570, 256.856**, and **26, 26.463, 262.156** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.053, 260.313**, and if you desaturate by 10%, it is **49, 23.630, 253.781**.

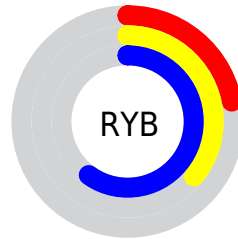
Distribution



Red (22%)

Green (45%)

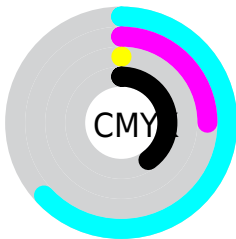
Blue (60%)



Red (22%)

Yellow (36%)

Blue (60%)

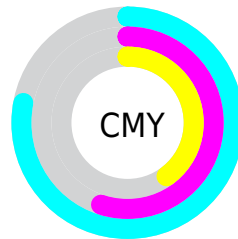


Cyan (63%)

Magenta (25%)

Yellow (0%)

Black (40%)



Cyan (78%)


Magenta (55%)

Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 27.455, 256.770 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, 27.455, 256.770 by changing the saturation by 10% instead.


 46, 27.455,
256.770


 46, 27.455,
256.770


 100, 27.455,
256.770


 36, 27.455,
256.770

 66, 27.455,
256.770


 26, 27.455,
256.770

 76, 27.455,
256.770

 16, 27.455,
256.770

 86, 27.455,
256.770

 6, 27.455, 256.770

 96, 27.455,
256.770

 0, 27.455, 256.770

 46, 27.455,

 46, 27.455,

256.770

256.770

■ 44, 31.053,
260.313

■ 49, 23.630,
253.781

■ 41, 34.477,
264.420

■ 51, 19.564,
251.293

■ 39, 37.817,
269.026

■ 54, 15.268,
249.239

■ 37, 40.340,
272.441

■ 57, 10.768,
247.549

■ 60, 6.097, 246.172

■ 63, 1.289, 245.229

■ 65, 3.622, 63.879

■ 68, 8.609, 63.124

■ 71, 13.646, 62.452

Harmonies

Complementary

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



46, 27.455, 256.770



46, 36.970, 58.699

Rectangle

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



46, 27.455, 256.770



46, 27.455, 306.770



46, 27.455, 76.770



46, 27.455, 126.770

Sweetspot

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



46, 27.454, 256.770



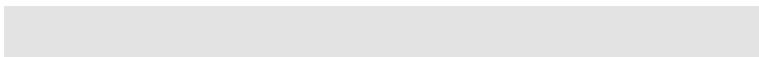
73, 11.235, 247.068



57, 47.156, 151.974



37, 7.682, 247.454



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, 27.454, 256.770



55, 39.283, 261.825



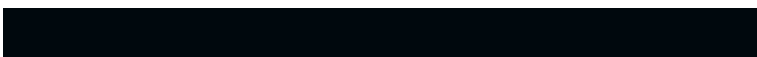
32, 54.196, 296.234



31, 2.736, 245.772



34, 37.580, 272.013



2, 3.004, 245.882

Inverse Universe

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



40, 47.846, 345.082



47, 66.502, 347.350



59, 46.541, 99.323



30, 4.463, 339.579



30, 56.071, 352.689



1, 4.747, 339.406

Previews

White Background



This preview shows how the CIELCh color 46, 27.455, 256.770 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, 27.455, 256.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

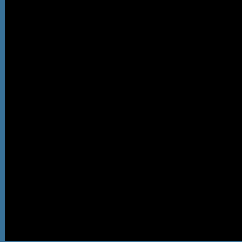
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

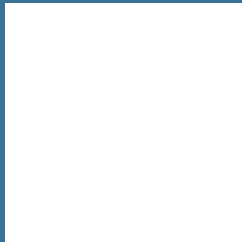
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 27.455, 256.770

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.455, 256.770.

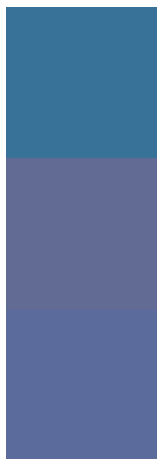


This preview shows how white text looks on a background with the CIELCh color 46, 27.455, 256.770.

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, 27.455, 256.770

Protanopia

46, 24.500, 285.514

Deuteranopia

46, 28.794, 283.688



Tritanopia
46, 22.872, 210.809

Trichromacy



Original Color
46, 27.455, 256.770

Protanomaly
46, 24.906, 272.932

Deuteranomaly
46, 27.394, 273.033

Tritanomaly
46, 22.850, 229.282

Monochromacy



Original Color
46, 27.455, 256.770

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.410, 251.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.455, 256.770 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(57, 114, 153)` looks like.

```
.text, #text, p{  
    color:rgb(57, 114, 153)  
}
```

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(57, 114, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 114, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.455, 256.770 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(57, 114, 153) }
```

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

```
.border{ border-color:rgb(57, 114, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 114, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 114, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 114, 153);  
box-shadow:4px 4px 4px 4px rgb(57, 114,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.455, 256.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 114, 153) }
```

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

```
.background{ background-color: rgb(57, 114,  
153) }
```

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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