

Converting Colors

CIELCh(42, 28.762, 256.183)

Have a look what the booklet for
CIELCh(42, 28.762, 256.183)
contains.

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Color

CIELCh(42, 28.762, 256.183)

Conversions

Conversions Part 1

Format	Color
Hex	276991
RGB	39, 105, 145
RGB Percent	15%, 41%, 57%
CMY	0.8487, 0.5894, 0.4326
CMYK	0.73, 0.28, 0.00, 0.43
HSL	203°, 58%, 36%
HSV	203°, 73%, 57%
XYZ	10.9282, 12.5000, 28.4960
YIQ	89.8260, -52.1760, -1.5520

Conversions

Conversions Part 2

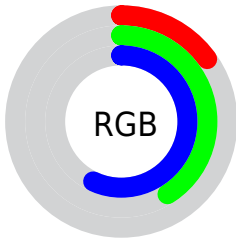
Format	Color
R_{YB}	39, 80, 145
Decimal	2582929
CIE _{Lab}	42.00, -6.87, -27.93
CIE _{LCh}	42, 28.762, 256.183
Yxy	12.5000, 0.2105, 0.2407
Android (android.graphics.Color)	4280773009 (0xFF276991)
YUV	89.8260, 27.2008, -44.5744
Hunter-Lab	35.3553, -6.6981, -23.0384

Details

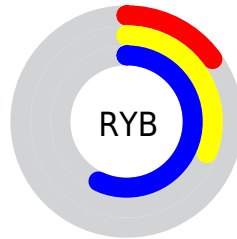
The CIELCh color **42, 28.762, 256.183** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **41, 42.646, 55.157**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 28.798, 256.089**, and **23, 26.168, 266.213** is the 20% darker color. If you saturate the color by 10%, you get **40, 31.679, 260.250**, and if you desaturate by 10%, it is **44, 25.622, 252.708**.

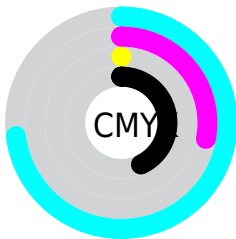
Distribution



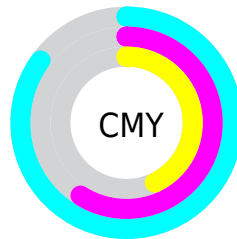
- Red (15%)
- Green (41%)
- Blue (57%)



- Red (15%)
- Yellow (31%)
- Blue (57%)



- Cyan (73%)
- Magenta (28%)
- Yellow (0%)
- Black (43%)



- Cyan (85%)
- Magenta (59%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 28.762, 256.183 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 42, 28.762, 256.183 by changing the saturation by 10% instead.

 42, 28.762,
256.183


 42, 28.762,
256.183

 100, 28.762,
256.183


 32, 28.762,
256.183

 62, 28.762,
256.183

 22, 28.762,
256.183

 72, 28.762,
256.183

 12, 28.762,
256.183

 82, 28.762,
256.183

 2, 28.762, 256.183

 92, 28.762,
256.183

 0, 28.762, 256.183

 42, 28.762,

 42, 28.762,

256.183

■ 40, 31.679,
260.250

■ 38, 34.463,
264.861

■ 37, 36.364,
267.928

256.183

■ 44, 25.622,
252.708

■ 47, 22.217,
249.800

■ 49, 18.535,
247.399

■ 51, 14.594,
245.432

■ 54, 10.422,
243.828

■ 57, 6.058, 242.531

■ 59, 1.538, 241.621

■ 62, 3.101, 60.373

■ 65, 7.831, 59.699

Harmonies

Complementary

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



42, 28.762, 256.183



41, 42.646, 55.157

Rectangle

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



42, 28.762, 256.183



42, 28.762, 306.183



42, 28.762, 76.183



42, 28.762, 126.183

Sweetspot

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



42, 28.761, 256.184



69, 12.224, 243.704



53, 52.757, 148.880



35, 8.151, 244.048



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 28.761, 256.184



50, 40.750, 263.202



27, 59.126, 297.498



29, 2.555, 242.080



34, 34.452, 267.577



1, 1.749, 241.083

Inverse Universe

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



35, 51.980, 344.876



43, 69.253, 347.965



54, 49.281, 96.268



28, 4.303, 338.183



29, 55.388, 350.141



1, 2.882, 337.564

Previews

White Background



This preview shows how the CIELCh color 42, 28.762, 256.183 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 42, 28.762, 256.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

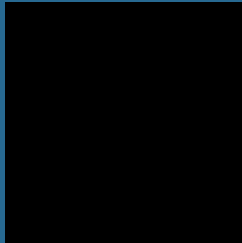
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 28.762, 256.183

Background



This preview shows how black text looks on a background with the CIELCh color 42, 28.762, 256.183.

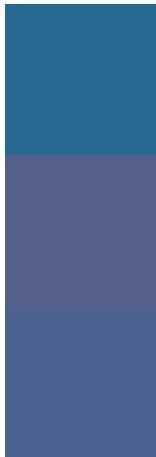


This preview shows how white text looks on a background with the CIELCh color 42, 28.762, 256.183.

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


42, 28.762, 256.183

Protanopia

42, 25.529, 285.512

Deuteranopia

42, 29.387, 281.918



Tritanopia
42, 25.402, 209.245

Trichromacy



Original Color
42, 28.762, 256.183

Protanomaly
42, 26.119, 271.950

Deuteranomaly
42, 29.211, 272.610

Tritanomaly
42, 24.918, 226.596

Monochromacy



Original Color
42, 28.762, 256.183

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 12.032, 244.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 28.762, 256.183 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(39, 105, 145)` looks like.

```
.text, #text, p{  
    color:rgb(39, 105, 145)  
}
```

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(39, 105, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 105, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 28.762, 256.183 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(39, 105, 145) }
```

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

```
.border{ border-color:rgb(39, 105, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 105, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 105, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 105, 145);  
box-shadow:4px 4px 4px 4px rgb(39, 105,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 28.762, 256.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 105, 145) }
```

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

```
.background{ background-color: rgb(39, 105,  
145) }
```

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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