

Converting Colors

CIELCh(42, 21.653, 212.838)

Have a look what the booklet for
CIELCh(42, 21.653, 212.838)
contains.

CIELCh(42, 21.581, 213.616)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 21.581, 213.616)

Conversions

Conversions Part 1

Format	Color
Hex	276C76
RGB	39, 108, 118
RGB Percent	15%, 42%, 46%
CMY	0.8464, 0.5759, 0.5367
CMYK	0.67, 0.08, 0.00, 0.54
HSL	188°, 50%, 31%
HSV	188°, 67%, 46%
XYZ	9.4984, 12.5000, 19.0949
YIQ	88.5090, -44.3340, -11.5180

Conversions

Conversions Part 2

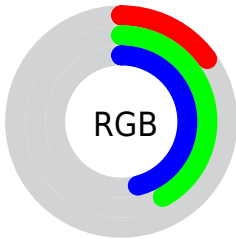
Format	Color
R_{YB}	39, 76, 118
Decimal	2583670
CIE _{Lab}	42.00, -17.97, -11.95
CIE _{LCh}	42, 21.581, 213.616
Yxy	12.5000, 0.2311, 0.3042
Android (android.graphics.Color)	4280773750 (0xFF276C76)
YUV	88.5090, 14.5391, -43.4194
Hunter-Lab	35.3553, -13.9169, -7.2728

Details

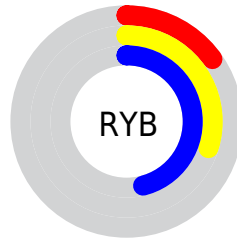
The CIELCh color **42, 21.581, 213.616** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 36.315, 35.701**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 21.534, 212.936**, and **23, 17.298, 219.974** is the 20% darker color. If you saturate the color by 10%, you get **41, 23.123, 214.777**, and if you desaturate by 10%, it is **43, 19.515, 212.745**.

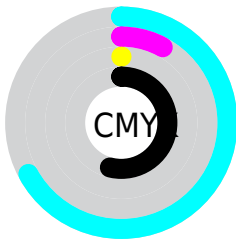
Distribution



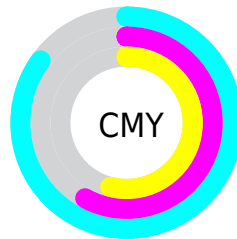
- Red (15%)
- Green (42%)
- Blue (46%)



- Red (15%)
- Yellow (30%)
- Blue (46%)



- Cyan (67%)
- Magenta (8%)
- Yellow (0%)
- Black (54%)





- Cyan (85%)
- Magenta (58%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 21.581, 213.616 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, 21.581, 213.616 by changing the saturation by 10% instead.


 42, 21.581,
213.616


 42, 21.581,
213.616


 100, 21.581,
213.616


 32, 21.581,
213.616

 62, 21.581,
213.616


 22, 21.581,
213.616

 72, 21.581,
213.616

 12, 21.581,
213.616

 82, 21.581,
213.616

 2, 21.581, 213.616

 92, 21.581,
213.616

 0, 21.581, 213.616

 42, 21.581,

 42, 21.581,

213.616

■ 41, 23.123,
214.777

■ 40, 24.143,
216.280

■ 40, 24.745,
218.093

■ 40, 24.927,
218.663

213.616

■ 43, 19.515,
212.745

■ 44, 16.955,
212.123

■ 45, 13.949,
211.707

■ 46, 10.554,
211.463

■ 47, 6.835, 211.365

■ 49, 2.850, 211.433

■ 50, 1.343, 31.097

■ 52, 5.697, 31.455

■ 53, 10.168, 31.679

Harmonies

Complementary

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



42, 21.581, 213.616



30, 36.315, 35.701

Rectangle

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



42, 21.581, 213.616



42, 21.581, 263.616



42, 21.581, 33.616



42, 21.581, 83.616

Sweetspot

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



42, 21.581, 213.615



60, 9.922, 211.385



44, 50.151, 141.720



30, 6.683, 211.405



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 21.581, 213.615



53, 28.595, 215.504



30, 31.787, 280.408



24, 2.319, 211.396



41, 25.561, 218.757



80, 43.198, 220.178

Inverse Universe

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



30, 48.839, 331.913



37, 66.881, 332.753



40, 33.128, 78.148



23, 4.360, 328.571



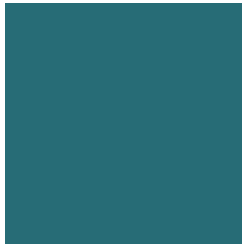
27, 60.997, 333.785



57, 102.872, 334.137

Previews

White Background



This preview shows how the CIELCh color 42, 21.581, 213.616 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 CIELCh color 42, 21.581, 213.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

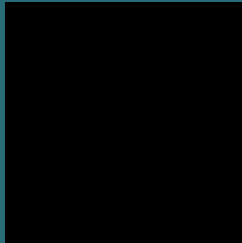
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 21.581, 213.616

Background



This preview shows how black text looks on a background with the CIELCh color 42, 21.581, 213.616.

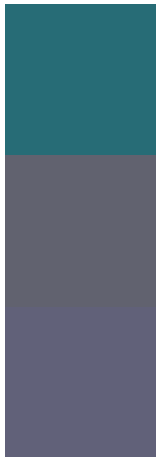


This preview shows how white text looks on a background with the CIELCh color 42, 21.581, 213.616.

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, 21.581, 213.616

Protanopia

42, 7.869, 288.475

Deuteranopia

42, 14.528, 292.297



Tritanopia
42, 21.557, 211.920

Trichromacy



Original Color
42, 21.581, 213.616

Protanomaly
42, 11.748, 236.962

Deuteranomaly
42, 14.239, 253.091

Tritanomaly
42, 21.557, 211.920

Monochromacy



Original Color
42, 21.581, 213.616

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 9.804, 212.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 21.581, 213.616 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, 108, 118)` looks like.

```
.text, #text, p{  
    color:rgb(39, 108, 118)  
}
```

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, 108, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 108, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 21.581, 213.616 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, 108, 118) }
```

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

```
.border{ border-color:rgb(39, 108, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 108, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 108, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 108, 118);  
box-shadow:4px 4px 4px 4px rgb(39, 108,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 21.581, 213.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 108, 118) }
```

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

```
.background{ background-color: rgb(39, 108,  
118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor