

Converting Colors

CIELCh(42, 21.700, 196.952)

Have a look what the booklet for
CIELCh(42, 21.700, 196.952)
contains.

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Color

CIELCh(42, 21.729, 196.935)

Conversions

Conversions Part 1

Format	Color
Hex	2A6D6D
RGB	42, 109, 109
RGB Percent	16%, 43%, 43%
CMY	0.8359, 0.5731, 0.5731
CMYK	0.62, 0.00, 0.00, 0.57
HSL	180°, 44%, 30%
HSV	180°, 62%, 43%
XYZ	9.1569, 12.5000, 16.3618
YIQ	88.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

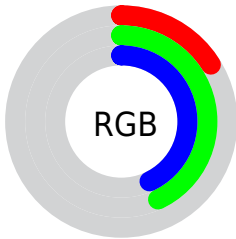
Format	Color
R_{YB}	42, 76, 109
Decimal	2780525
CIE _{Lab}	42.00, -20.79, -6.33
CIE _{LCh}	42, 21.729, 196.935
Yxy	12.5000, 0.2409, 0.3288
Android (android.graphics.Color)	4280970605 (0xFF2A6D6D)
YUV	88.9670, 9.8763, -41.1901
Hunter-Lab	35.3553, -15.6411, -2.6895

Details

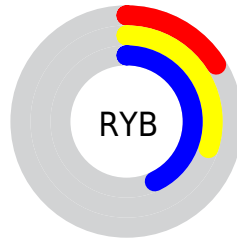
The CIELCh color **42, 21.729, 196.935** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 33.522, 27.020**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 21.817, 196.029**, and **23, 17.872, 198.607** is the 20% darker color. If you saturate the color by 10%, you get **42, 23.716, 196.716**, and if you desaturate by 10%, it is **42, 19.230, 197.210**.

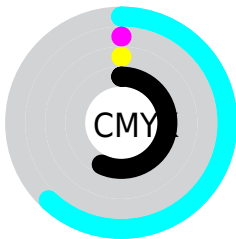
Distribution



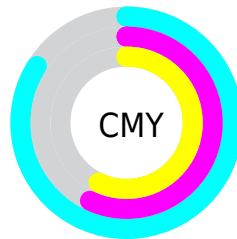
- Red (16%)
- Green (43%)
- Blue (43%)



- Red (16%)
- Yellow (30%)
- Blue (43%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (57%)





- Cyan (84%)
- Magenta (57%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 21.729, 196.935 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, 21.729, 196.935 by changing the saturation by 10% instead.


 42, 21.729,
196.935


 42, 21.729,
196.935


 100, 21.729,
196.935


 32, 21.729,
196.935

 62, 21.729,
196.935


 22, 21.729,
196.935

 72, 21.729,
196.935

 12, 21.729,
196.935

 82, 21.729,
196.935

 2, 21.729, 196.935

 92, 21.729,
196.935

 0, 21.729, 196.935

 42, 21.729,

 42, 21.729,

196.935

196.935

■ 42, 23.716,
196.716

■ 42, 19.230,
197.210

■ 41, 25.180,
196.558

■ 43, 16.253,
197.545

■ 41, 26.138,
196.455

■ 43, 12.848,
197.935

■ 41, 26.777,
196.386

■ 44, 9.077, 198.379

■ 45, 5.003, 198.885

■ 46, 0.689, 199.838

■ 47, 3.807, 19.769

■ 48, 8.434, 20.381

■ 49, 13.147, 20.972

Harmonies

Complementary

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



42, 21.729, 196.935



27, 33.522, 27.020

Rectangle

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



42, 21.729, 196.935



42, 21.729, 246.935



42, 21.729, 16.935



42, 21.729, 66.935

Sweetspot

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



42, 21.729, 196.933



57, 9.554, 198.525



41, 46.990, 139.147



29, 6.549, 198.416



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 21.729, 196.933



54, 29.703, 196.638



31, 22.575, 265.486



22, 2.415, 199.035



44, 28.237, 196.386



88, 48.589, 196.386

Inverse Universe

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



27, 33.522, 27.020



32, 51.408, 31.091



35, 27.271, 66.476



21, 2.547, 19.852



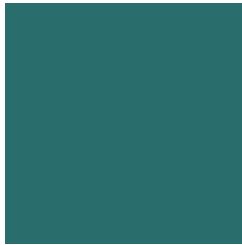
23, 56.952, 37.578



51, 101.391, 40.000

Previews

White Background



This preview shows how the CIELCh color 42, 21.729, 196.935 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, 21.729, 196.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

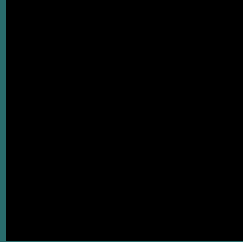
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 21.729, 196.935

Background



This preview shows how black text looks on a background with the CIELCh color 42, 21.729, 196.935.



This preview shows how white text looks on a background with the CIELCh color 42, 21.729, 196.935.

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, 21.729, 196.935

Protanopia

42, 2.464, 300.131

Deuteranopia

42, 10.021, 305.311



Tritanopia
42, 20.394, 211.096

Trichromacy



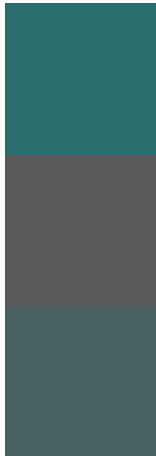
Original Color
42, 21.729, 196.935

Protanomaly
41, 9.298, 205.865

Deuteranomaly
41, 9.781, 237.143

Tritanomaly
42, 20.642, 205.639

Monochromacy



Original Color
42, 21.729, 196.935

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 9.399, 198.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 21.729, 196.935 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(42, 109, 109)` looks like.

```
.text, #text, p{  
    color:rgb(42, 109, 109)  
}
```

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(42, 109, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 109, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 21.729, 196.935 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(42, 109, 109) }
```

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

```
.border{ border-color:rgb(42, 109, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 109, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 109, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 109, 109);  
box-shadow:4px 4px 4px 4px rgb(42, 109,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 21.729, 196.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 109, 109) }
```

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

```
.background{ background-color: rgb(42, 109,  
109) }
```

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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