

Converting Colors

CIELCh(42, 22.183, 196.741)

Have a look what the booklet for
CIELCh(42, 22.183, 196.741)
contains.

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Color

CIELCh(42, 22.134, 196.891)

Conversions

Conversions Part 1

Format	Color
Hex	286D6D
RGB	40, 109, 109
RGB Percent	16%, 43%, 43%
CMY	0.8430, 0.5724, 0.5724
CMYK	0.63, 0.00, 0.00, 0.57
HSL	180°, 46%, 29%
HSV	180°, 63%, 43%
XYZ	9.1099, 12.5000, 16.4087
YIQ	88.3690, -41.1240, -14.6280

Conversions

Conversions Part 2

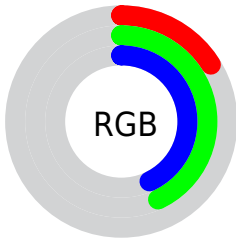
Format	Color
RYB	40, 75, 109
Decimal	2649453
CIELab	42.00, -21.18, -6.43
CIELCh	42, 22.134, 196.891
Yxy	12.5000, 0.2396, 0.3288
Android (android.graphics.Color)	4280839533 (0xFF286D6D)
YUV	88.3690, 10.1711, -42.4196
Hunter-Lab	35.3553, -15.8781, -2.7683

Details

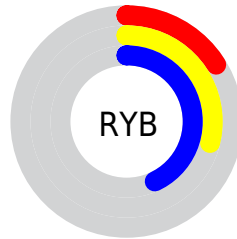
The CIELCh color **42, 22.134, 196.891** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 34.621, 27.445**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 22.359, 196.018**, and **23, 17.872, 198.607** is the 20% darker color. If you saturate the color by 10%, you get **42, 24.033, 196.682**, and if you desaturate by 10%, it is **42, 19.718, 197.156**.

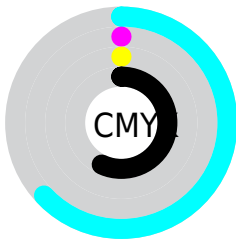
Distribution



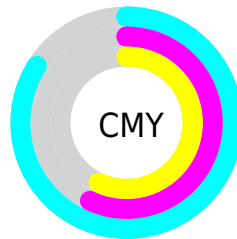
- Red (16%)
- Green (43%)
- Blue (43%)



- Red (16%)
- Yellow (29%)
- Blue (43%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)
- Black (57%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 22.134, 196.891 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, 22.134, 196.891 by changing the saturation by 10% instead.


 42, 22.134,
196.891


 42, 22.134,
196.891


 100, 22.134,
196.891


 32, 22.134,
196.891

 62, 22.134,
196.891


 22, 22.134,
196.891

 72, 22.134,
196.891

 12, 22.134,
196.891

 82, 22.134,
196.891

 2, 22.134, 196.891

 92, 22.134,
196.891

 0, 22.134, 196.891

 42, 22.134,

 42, 22.134,

196.891

196.891

■ 42, 24.033,
196.682

■ 42, 19.718,
197.156

■ 41, 25.408,
196.534

■ 43, 16.817,
197.481

■ 41, 26.296,
196.438

■ 43, 13.479,
197.862

■ 41, 26.805,
196.384

■ 44, 9.762, 198.296

■ 45, 5.731, 198.790

■ 46, 1.449, 199.477

■ 47, 3.026, 19.649

■ 48, 7.638, 20.277

■ 49, 12.345, 20.869

Harmonies

Complementary

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



42, 22.134, 196.891



27, 34.621, 27.445

Rectangle

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



42, 22.134, 196.891



42, 22.134, 246.891



42, 22.134, 16.891



42, 22.134, 66.891

Sweetspot

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



42, 22.134, 196.889



57, 10.055, 198.474



41, 48.148, 138.968



29, 6.828, 198.370



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, 22.134, 196.889



54, 30.062, 196.603



31, 23.191, 266.022



22, 2.415, 199.033



44, 28.237, 196.384



88, 48.590, 196.383

Inverse Universe

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



27, 34.621, 27.445



32, 52.867, 31.752



34, 28.161, 66.269



21, 2.547, 19.850



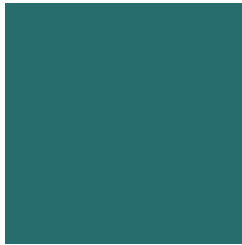
23, 56.952, 37.577



51, 101.391, 40.000

Previews

White Background



This preview shows how the CIELCh color 42, 22.134, 196.891 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, 22.134, 196.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

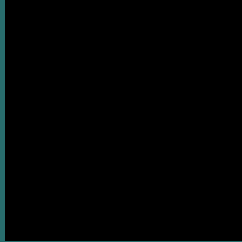
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 22.134, 196.891

Background



This preview shows how black text looks on a background with the CIELCh color 42, 22.134, 196.891.



This preview shows how white text looks on a background with the CIELCh color 42, 22.134, 196.891.

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, 22.134, 196.891

Protanopia

42, 2.464, 300.131

Deuteranopia

42, 10.021, 305.311



Tritanopia
42, 20.617, 212.703

Trichromacy



Original Color
42, 22.134, 196.891

Protanomaly
41, 9.336, 209.644

Deuteranomaly
41, 10.056, 235.885

Tritanomaly
42, 20.813, 207.279

Monochromacy



Original Color
42, 22.134, 196.891

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 9.758, 198.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 22.134, 196.891 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(40, 109, 109)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 109, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 109, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 22.134, 196.891 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(40, 109, 109) }
```

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

```
.border{ border-color:rgb(40, 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(40, 109, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 109, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 109, 109);  
box-shadow:4px 4px 4px 4px rgb(40, 109,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 22.134, 196.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 109, 109) }
```

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

```
.background{ background-color: rgb(40, 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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