

Converting Colors

CIELCh(42, 27.908, 174.877)

Have a look what the booklet for
CIELCh(42, 27.908, 174.877)
contains.

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Color

CIELCh(42, 28.014, 174.605)

Conversions

Conversions Part 1

Format	Color
Hex	216F5E
RGB	33, 111, 94
RGB Percent	13%, 44%, 37%
CMY	0.8706, 0.5647, 0.6314
CMYK	0.70, 0.00, 0.15, 0.56
HSL	167°, 54%, 28%
HSV	167°, 70%, 44%
XYZ	8.3317, 12.5000, 12.5630
YIQ	85.7400, -41.0310, -21.8230

Conversions

Conversions Part 2

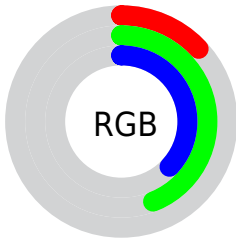
Format	Color
RYB	33, 77, 111
Decimal	2191198
CIELab	42.00, -27.89, 2.63
CIELCh	42, 28.014, 174.605
Yxy	12.5000, 0.2495, 0.3743
Android (android.graphics.Color)	4280381278 (0xFF216F5E)
YUV	85.7400, 4.0722, -46.2530
Hunter-Lab	35.3553, -19.8073, 3.6809

Details

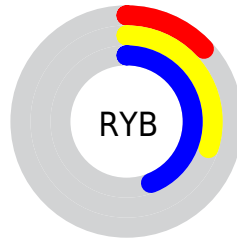
The CIELCh color **42, 28.014, 174.605** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 36.693, 13.318**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 27.920, 174.428**, and **23, 22.568, 171.035** is the 20% darker color. If you saturate the color by 10%, you get **42, 30.451, 173.171**, and if you desaturate by 10%, it is **42, 25.086, 175.903**.

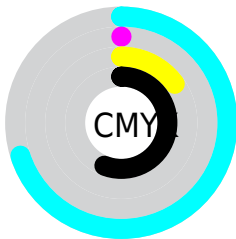
Distribution



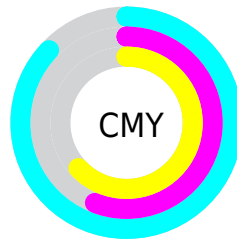
- Red (13%)
- Green (44%)
- Blue (37%)



- Red (13%)
- Yellow (30%)
- Blue (44%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (56%)



- Cyan (87%)
- Magenta (56%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 28.014, 174.605 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, 28.014, 174.605 by changing the saturation by 10% instead.

 42, 28.014,
174.605

 42, 28.014,
174.605


 100, 28.014,
174.605

 32, 28.014,
174.605

 62, 28.014,
174.605


 22, 28.014,
174.605

 72, 28.014,
174.605

 12, 28.014,
174.605

 82, 28.014,
174.605

 2, 28.014, 174.605

 92, 28.014,
174.605

 0, 28.014, 174.605

 42, 28.014,

 42, 28.014,

174.605

174.605

■ 42, 30.451,
173.171

■ 42, 25.086,
175.903

■ 41, 32.391,
171.585

■ 43, 21.700,
177.088

■ 41, 34.033,
170.023

■ 43, 17.913,
178.180

■ 44, 13.791,
179.196

■ 45, 9.408, 180.154

■ 46, 4.832, 181.082

■ 47, 0.126, 184.464

■ 48, 4.654, 2.611

■ 49, 9.462, 3.431

Harmonies

Complementary

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



42, 28.014, 174.605



26, 36.693, 13.318

Rectangle

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



42, 28.014, 174.605



42, 28.014, 224.605



42, 28.014, 354.605



42, 28.014, 44.605

Sweetspot

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



42, 28.014, 174.604



58, 12.131, 180.032



42, 50.341, 134.100



30, 8.245, 179.834



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 28.014, 174.604



54, 38.465, 172.236



36, 20.666, 236.915



23, 2.673, 181.201



45, 36.027, 169.851



87, 62.480, 168.684

Inverse Universe

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



26, 36.693, 13.318



32, 52.942, 19.236



30, 33.847, 46.097



22, 2.760, 2.617



24, 51.636, 25.744



52, 90.590, 29.170

Previews

White Background



This preview shows how the CIELCh color 42, 28.014, 174.605 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, 28.014, 174.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

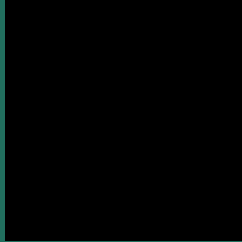
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 28.014, 174.605

Background



This preview shows how black text looks on a background with the CIELCh color 42, 28.014, 174.605.



This preview shows how white text looks on a background with the CIELCh color 42, 28.014, 174.605.

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, 28.014, 174.605

Protanopia

42, 6.970, 90.931

Deuteranopia

42, 6.072, 8.755



Tritanopia
42, 20.617, 212.703

Trichromacy



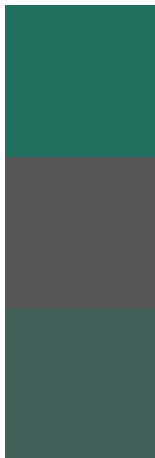
Original Color
42, 28.014, 174.605

Protanomaly
41, 13.001, 160.596

Deuteranomaly
41, 8.667, 177.812

Tritanomaly
42, 22.134, 196.891

Monochromacy



Original Color
42, 28.014, 174.605

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 11.818, 179.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 28.014, 174.605 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(33, 111, 94)` looks like.

```
.text, #text, p{  
    color:rgb(33, 111, 94)  
}
```

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(33, 111, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 111, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 28.014, 174.605 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(33, 111, 94) }
```

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

```
.border{ border-color:rgb(33, 111, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 111, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 111, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 111, 94);  
box-shadow:4px 4px 4px 4px rgb(33, 111,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 28.014, 174.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 111, 94) }
```

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

```
.background{ background-color: rgb(33, 111,  
94) }
```

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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