

Converting Colors

CIELCh(42, 29.848, 170.399)

Have a look what the booklet for
CIELCh(42, 29.848, 170.399)
contains.

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Color

CIELCh(42, 29.726, 170.689)

Conversions

Conversions Part 1

Format	Color
Hex	206F5A
RGB	32, 111, 90
RGB Percent	13%, 44%, 35%
CMY	0.8764, 0.5631, 0.6456
CMYK	0.72, 0.00, 0.19, 0.56
HSL	164°, 56%, 28%
HSV	164°, 72%, 44%
XYZ	8.1702, 12.5000, 11.7395
YIQ	84.9850, -40.3430, -23.2790

Conversions

Conversions Part 2

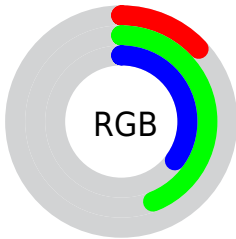
Format	Color
R_{YB}	32, 78, 111
Decimal	2125658
CIE _{Lab}	42.00, -29.33, 4.81
CIE _{LCh}	42, 29.726, 170.689
Yxy	12.5000, 0.2521, 0.3857
Android (android.graphics.Color)	4280315738 (0xFF206F5A)
YUV	84.9850, 2.4724, -46.4678
Hunter-Lab	35.3553, -20.6226, 5.0618

Details

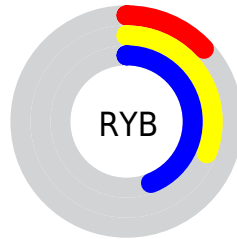
The CIELCh color **42, 29.726, 170.689** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 37.330, 10.202**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 29.384, 170.715**, and **22, 24.264, 165.656** is the 20% darker color. If you saturate the color by 10%, you get **42, 32.335, 169.115**, and if you desaturate by 10%, it is **42, 26.631, 172.106**.

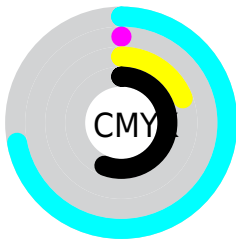
Distribution



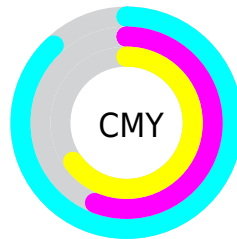
- Red (13%)
- Green (44%)
- Blue (35%)



- Red (13%)
- Yellow (31%)
- Blue (44%)



- Cyan (72%)
- Magenta (0%)
- Yellow (19%)
- Black (56%)




- Cyan (88%)
- Magenta (56%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 29.726, 170.689 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, 29.726, 170.689 by changing the saturation by 10% instead.

 42, 29.726,
170.689

 42, 29.726,
170.689

 100, 29.726,
170.689


 32, 29.726,
170.689

 62, 29.726,
170.689


 22, 29.726,
170.689

 72, 29.726,
170.689

 12, 29.726,
170.689

 82, 29.726,
170.689

 2, 29.726, 170.689

 92, 29.726,
170.689

 0, 29.726, 170.689

 42, 29.726,

 42, 29.726,

170.689

170.689

■ 42, 32.335,
169.115

■ 42, 26.631,
172.106

■ 41, 34.456,
167.373

■ 43, 23.084,
173.390

■ 41, 36.065,
165.948

■ 43, 19.142,
174.561

■ 44, 14.873,
175.639

■ 45, 10.352,
176.643

■ 46, 5.649, 177.599

■ 47, 0.830, 178.803

■ 48, 4.052, 359.170

■ 49, 8.948, 0.004

Harmonies

Complementary

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



42, 29.726, 170.689



26, 37.330, 10.202

Rectangle

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



42, 29.726, 170.689



42, 29.726, 220.689



42, 29.726, 350.689



42, 29.726, 40.689

Sweetspot

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



42, 29.726, 170.688



58, 13.030, 176.558



42, 50.841, 133.245



30, 8.797, 176.359



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, 29.726, 170.688



54, 40.923, 167.985



36, 20.794, 231.665



23, 2.735, 177.857



44, 38.094, 165.770



87, 66.273, 164.505

Inverse Universe

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



26, 37.330, 10.202



31, 53.076, 16.389



29, 35.382, 43.585



22, 2.813, 359.303



24, 50.412, 21.986



52, 88.030, 25.493

Previews

White Background



This preview shows how the CIELCh color 42, 29.726, 170.689 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, 29.726, 170.689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

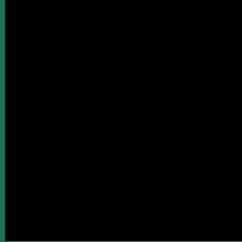
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 29.726, 170.689

Background



This preview shows how black text looks on a background with the CIELCh color 42, 29.726, 170.689.



This preview shows how white text looks on a background with the CIELCh color 42, 29.726, 170.689.

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, 29.563, 170.562

Protanopia

42, 8.833, 91.451

Deuteranopia

42, 6.482, 25.508



Tritanopia
42, 20.617, 212.703

Trichromacy



Original Color
42, 29.563, 170.562

Protanomaly
41, 14.698, 153.337

Deuteranomaly
41, 9.566, 167.720

Tritanomaly
42, 22.627, 193.720

Monochromacy



Original Color
42, 29.563, 170.562

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 12.705, 174.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 29.726, 170.689 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(32, 111, 90)` looks like.

```
.text, #text, p{  
    color:rgb(32, 111, 90)  
}
```

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(32, 111, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 111, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 29.726, 170.689 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(32, 111, 90) }
```

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

```
.border{ border-color:rgb(32, 111, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 111, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 111, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 111, 90);  
box-shadow:4px 4px 4px 4px rgb(32, 111,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 29.726, 170.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 111, 90) }
```

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

```
.background{ background-color: rgb(32, 111,  
90) }
```

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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