

Converting Colors

CIELCh(42, 26.347, 172.256)

Have a look what the booklet for
CIELCh(42, 26.347, 172.256)
contains.

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Color

CIELCh(42, 26.096, 173.127)

Conversions

Conversions Part 1

Format	Color
Hex	2A6E5D
RGB	42, 110, 93
RGB Percent	16%, 43%, 36%
CMY	0.8342, 0.5676, 0.6343
CMYK	0.62, 0.00, 0.15, 0.57
HSL	165°, 45%, 30%
HSV	165°, 62%, 43%
XYZ	8.5567, 12.5000, 12.3747
YIQ	87.7300, -35.0710, -19.7030

Conversions

Conversions Part 2

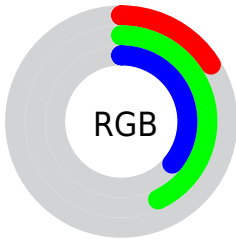
Format	Color
R_{YB}	42, 81, 110
Decimal	2780765
CIE _{Lab}	42.00, -25.91, 3.12
CIE _{LCh}	42, 26.096, 173.127
Yxy	12.5000, 0.2559, 0.3739
Android (android.graphics.Color)	4280970845 (0xFF2A6E5D)
YUV	87.7300, 2.5981, -40.1052
Hunter-Lab	35.3553, -18.6714, 3.9967

Details

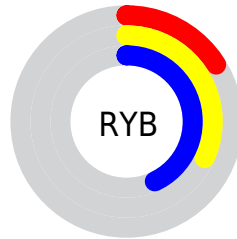
The CIELCh color **42, 26.096, 173.127** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 32.228, 8.386**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.117, 172.934**, and **22, 22.979, 169.620** is the 20% darker color. If you saturate the color by 10%, you get **42, 29.106, 171.736**, and if you desaturate by 10%, it is **42, 22.636, 174.386**.

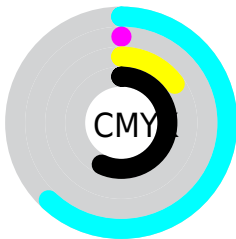
Distribution



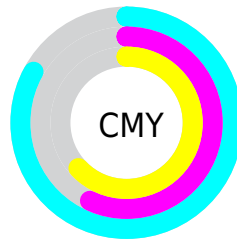
- Red (16%)
- Green (43%)
- Blue (36%)



- Red (16%)
- Yellow (32%)
- Blue (43%)



- Cyan (62%)
- Magenta (0%)
- Yellow (15%)
- Black (57%)




- Cyan (83%)
- Magenta (57%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 26.096, 173.127 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, 26.096, 173.127 by changing the saturation by 10% instead.


 42, 26.096,
173.127


 42, 26.096,
173.127


 100, 26.096,
173.127


 32, 26.096,
173.127

 62, 26.096,
173.127


 22, 26.096,
173.127

 72, 26.096,
173.127

 12, 26.096,
173.127

 82, 26.096,
173.127

 2, 26.096, 173.127

 92, 26.096,
173.127

 0, 26.096, 173.127

 42, 26.096,

 42, 26.096,

173.127

173.127

■ 42, 29.106,
171.736

■ 42, 22.636,
174.386

■ 41, 31.632,
170.197

■ 43, 18.780,
175.538

■ 41, 33.673,
168.493

■ 44, 14.596,
176.602

■ 41, 35.230,
167.088

■ 45, 10.157,
177.595

■ 45, 5.533, 178.544

■ 46, 0.787, 179.763

■ 47, 4.025, 0.105

■ 49, 8.857, 0.939

■ 50, 13.674, 1.710

Harmonies

Complementary

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



42, 26.096, 173.127



28, 32.228, 8.386

Rectangle

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



42, 26.096, 173.127



42, 26.096, 223.127



42, 26.096, 353.127



42, 26.096, 43.127

Sweetspot

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



42, 26.096, 173.126



57, 10.487, 177.899



42, 44.391, 133.670



29, 7.214, 177.684



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, 26.096, 173.126



53, 36.441, 171.093



37, 18.756, 229.453



23, 2.716, 178.794



44, 37.493, 166.888



87, 65.172, 165.648

Inverse Universe

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



28, 32.228, 8.386



33, 46.864, 12.586



31, 29.175, 43.094



22, 2.797, 0.234



24, 50.737, 23.082



52, 88.725, 26.577

Previews

White Background



This preview shows how the CIELCh color 42, 26.096, 173.127 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, 26.096, 173.127 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, 26.096, 173.127

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.096, 173.127.



This preview shows how white text looks on a background with the CIELCh color 42, 26.096, 173.127.

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, 26.096, 173.127

Protanopia

42, 6.970, 90.931

Deuteranopia

42, 6.002, 14.412



Tritanopia
42, 18.899, 214.334

Trichromacy



Original Color
42, 26.096, 173.127

Protanomaly
41, 11.809, 156.226

Deuteranomaly
41, 7.537, 169.644

Tritanomaly
42, 20.160, 197.094

Monochromacy



Original Color
42, 26.096, 173.127

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 10.765, 177.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.096, 173.127 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, 110, 93)` looks like.

```
.text, #text, p{  
    color:rgb(42, 110, 93)  
}
```

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, 110, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 110, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.096, 173.127 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, 110, 93) }
```

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

```
.border{ border-color:rgb(42, 110, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 110, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 110, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 110, 93);  
box-shadow:4px 4px 4px 4px rgb(42, 110,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.096, 173.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 110, 93) }
```

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

```
.background{ background-color: rgb(42, 110,  
93) }
```

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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