

Converting Colors

CIELCh(42, 25.714, 171.403)

Have a look what the booklet for
CIELCh(42, 25.714, 171.403)
contains.

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Color

CIELCh(42, 25.790, 171.423)

Conversions

Conversions Part 1

Format	Color
Hex	2D6E5C
RGB	45, 110, 92
RGB Percent	18%, 43%, 36%
CMY	0.8232, 0.5684, 0.6390
CMYK	0.59, 0.00, 0.16, 0.57
HSL	163°, 42%, 30%
HSV	163°, 59%, 43%
XYZ	8.6034, 12.5000, 12.0995
YIQ	88.5130, -32.9620, -19.3780

Conversions

Conversions Part 2

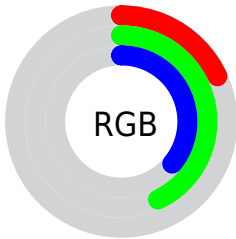
Format	Color
R _Y B	45, 83, 110
Decimal	2977372
CIE Lab	42.00, -25.50, 3.85
CIE LCh	42, 25.790, 171.423
Yxy	12.5000, 0.2591, 0.3765
Android (android.graphics.Color)	4281167452 (0xFF2D6E5C)
YUV	88.5130, 1.7191, -38.1609
Hunter-Lab	35.3553, -18.4357, 4.4581

Details

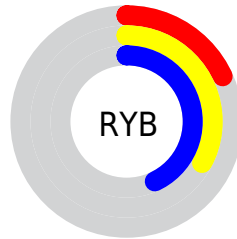
The CIELCh color **42, 25.790, 171.423** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 30.945, 5.718**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.885, 171.372**, and **22, 23.400, 168.253** is the 20% darker color. If you saturate the color by 10%, you get **42, 29.053, 170.021**, and if you desaturate by 10%, it is **43, 22.099, 172.690**.

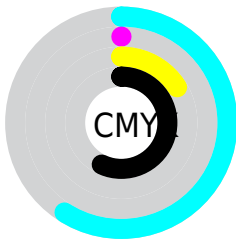
Distribution



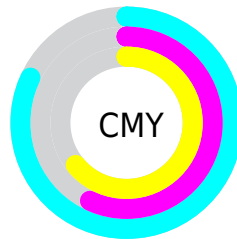
- Red (18%)
- Green (43%)
- Blue (36%)



- Red (18%)
- Yellow (33%)
- Blue (43%)



- Cyan (59%)
- Magenta (0%)
- Yellow (16%)
- Black (57%)




- Cyan (82%)
- Magenta (57%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.790, 171.423 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, 25.790, 171.423 by changing the saturation by 10% instead.


 42, 25.790,
171.423


 42, 25.790,
171.423


 100, 25.790,
171.423


 32, 25.790,
171.423

 62, 25.790,
171.423


 22, 25.790,
171.423

 72, 25.790,
171.423

 12, 25.790,
171.423

 82, 25.790,
171.423

 2, 25.790, 171.423

 92, 25.790,
171.423

 0, 25.790, 171.423

 42, 25.790,

 42, 25.790,

171.423

171.423

■ 42, 29.053,
170.021

■ 43, 22.099,
172.690

■ 41, 31.844,
168.468

■ 43, 18.039,
173.846

■ 41, 34.151,
166.744

■ 44, 13.682,
174.912

■ 41, 36.161,
164.972

■ 45, 9.101, 175.905

■ 41, 36.354,
164.814

■ 46, 4.365, 176.860

■ 47, 0.465, 356.977

■ 48, 5.337, 358.411

■ 49, 10.209,
359.218

■ 50, 15.046,
359.973

Harmonies

Complementary

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



42, 25.790, 171.423



28, 30.945, 5.718

Rectangle

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



42, 25.790, 171.423



42, 25.790, 221.423



42, 25.790, 351.423



42, 25.790, 41.423

Sweetspot

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



42, 25.790, 171.422



57, 10.654, 175.960



42, 42.449, 133.350



29, 7.332, 175.742



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, 25.790, 171.422



53, 36.398, 169.444



38, 18.209, 226.354



23, 2.756, 176.863



44, 38.750, 164.601



87, 67.476, 163.314

Inverse Universe

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



28, 30.945, 5.718



34, 45.186, 9.435



31, 27.897, 41.583



22, 2.831, 358.312



24, 50.086, 20.784



52, 87.317, 24.297

Previews

White Background



This preview shows how the CIELCh color 42, 25.790, 171.423 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, 25.790, 171.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

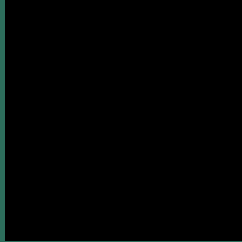
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.790, 171.423

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.790, 171.423.



This preview shows how white text looks on a background with the CIELCh color 42, 25.790, 171.423.

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, 25.790, 171.423

Protanopia

42, 7.547, 92.218

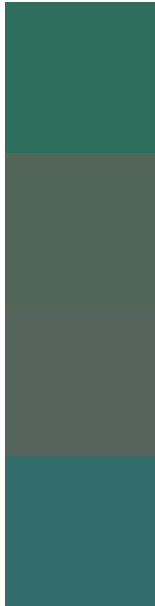
Deuteranopia

42, 5.992, 20.145



Tritanopia
42, 18.387, 212.856

Trichromacy



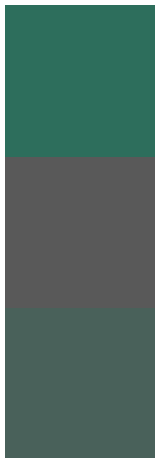
Original Color
42, 25.790, 171.423

Protanomaly
41, 11.955, 152.930

Deuteranomaly
41, 6.863, 166.557

Tritanomaly
42, 19.809, 195.356

Monochromacy



Original Color
42, 25.790, 171.423

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 10.679, 174.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.790, 171.423 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(45, 110, 92)` looks like.

```
.text, #text, p{  
    color:rgb(45, 110, 92)  
}
```

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(45, 110, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 110, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.790, 171.423 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(45, 110, 92) }
```

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

```
.border{ border-color:rgb(45, 110, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 110, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 110, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 110, 92);  
box-shadow:4px 4px 4px 4px rgb(45, 110,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.790, 171.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 110, 92) }
```

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

```
.background{ background-color: rgb(45, 110,  
92) }
```

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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