

Converting Colors

CIELCh(42, 35.215, 166.679)

Have a look what the booklet for
CIELCh(42, 35.215, 166.679)
contains.

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Color

CIELCh(42, 35.143, 166.782)

Conversions

Conversions Part 1

Format	Color
Hex	097155
RGB	9, 113, 85
RGB Percent	4%, 44%, 33%
CMY	0.9656, 0.5572, 0.6670
CMYK	0.92, 0.00, 0.25, 0.56
HSL	164°, 86%, 24%
HSV	164°, 92%, 44%
XYZ	7.6403, 12.5000, 10.5859
YIQ	78.7120, -52.9960, -30.7560

Conversions

Conversions Part 2

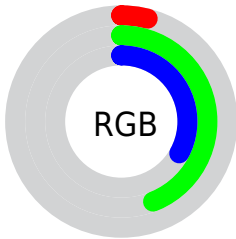
Format	Color
R_{YB}	9, 69, 113
Decimal	618837
CIE _{Lab}	42.00, -34.21, 8.04
CIE _{LCh}	42, 35.143, 166.782
Yxy	12.5000, 0.2487, 0.4068
Android (android.graphics.Color)	4278808917 (0xFF097155)
YUV	78.7120, 3.1000, -61.1374
Hunter-Lab	35.3553, -23.2979, 6.9964

Details

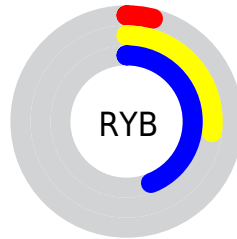
The CIELCh color **42, 35.143, 166.782** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 45.460, 17.753**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 35.249, 166.851**, and **23, 27.275, 159.485** is the 20% darker color. If you saturate the color by 10%, you get **42, 36.683, 165.433**, and if you desaturate by 10%, it is **42, 32.996, 168.550**.

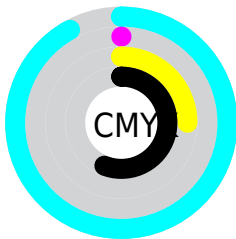
Distribution



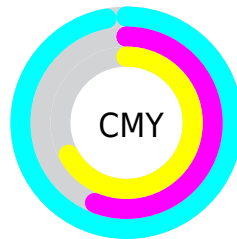
- Red (4%)
- Green (44%)
- Blue (33%)



- Red (4%)
- Yellow (27%)
- Blue (44%)



- Cyan (92%)
- Magenta (0%)
- Yellow (25%)
- Black (56%)





- Cyan (97%)
- Magenta (56%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 35.143, 166.782 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, 35.143, 166.782 by changing the saturation by 10% instead.


 42, 35.143,
166.782


 42, 35.143,
166.782


 100, 35.143,
166.782


 32, 35.143,
166.782

 62, 35.143,
166.782


 22, 35.143,
166.782

 72, 35.143,
166.782

 12, 35.143,
166.782

 82, 35.143,
166.782

 2, 35.143, 166.782

 92, 35.143,
166.782

 0, 35.143, 166.782

 42, 35.143,

 42, 35.143,

166.782

166.782

■ 42, 36.683,
165.433

■ 42, 32.996,
168.550

■ 43, 30.360,
170.148

■ 43, 27.231,
171.588

■ 43, 23.643,
172.890

■ 44, 19.652,
174.076

■ 45, 15.330,
175.165

■ 45, 10.750,
176.178

■ 46, 5.984, 177.138

Harmonies

Complementary

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



42, 35.143, 166.782



23, 45.460, 17.753

Rectangle

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



42, 35.143, 166.782



42, 35.143, 216.782



42, 35.143, 346.782



42, 35.143, 36.782

Sweetspot

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



42, 35.143, 166.781



58, 16.718, 175.526



42, 60.441, 132.817



29, 11.397, 175.176



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, 35.143, 166.781



54, 44.967, 164.830



35, 23.475, 234.654



23, 2.744, 177.449



44, 38.361, 165.287



87, 66.763, 164.014

Inverse Universe

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



23, 45.460, 17.753



30, 58.965, 22.768



25, 48.074, 43.541



22, 2.820, 358.896



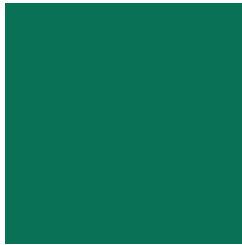
24, 50.276, 21.497



52, 87.734, 25.008

Previews

White Background



This preview shows how the CIELCh color 42, 35.143, 166.782 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, 35.143, 166.782 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, 35.143, 166.782

Background



This preview shows how black text looks on a background with the CIELCh color 42, 35.143, 166.782.



This preview shows how white text looks on a background with the CIELCh color 42, 35.143, 166.782.

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, 35.143, 166.782

Protanopia

42, 12.888, 96.176

Deuteranopia

42, 8.318, 45.844



Tritanopia
42, 22.120, 209.814

Trichromacy



Original Color
42, 35.143, 166.782

Protanomaly
41, 19.862, 152.712

Deuteranomaly
41, 14.342, 161.325

Tritanomaly
42, 25.446, 189.610

Monochromacy



Original Color
42, 35.143, 166.782

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 16.258, 174.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 35.143, 166.782 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(9, 113, 85)` looks like.

```
.text, #text, p{  
    color:rgb(9, 113, 85)  
}
```

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(9, 113, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 113, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 35.143, 166.782 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(9, 113, 85) }
```

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

```
.border{ border-color:rgb(9, 113, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 113, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 113, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 113, 85);  
box-shadow:4px 4px 4px 4px rgb(9, 113, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 35.143, 166.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 113, 85) }
```

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

```
.background{ background-color: rgb(9, 113,  
85) }
```

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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