

Converting Colors

CIELCh(42, 35.578, 153.250)

Have a look what the booklet for
CIELCh(42, 35.578, 153.250)
contains.

CIELCh(42, 35.488, 153.308)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 35.488, 153.308)

Conversions

Conversions Part 1

Format	Color
Hex	2B7048
RGB	43, 112, 72
RGB Percent	17%, 44%, 28%
CMY	0.8325, 0.5618, 0.7186
CMYK	0.62, 0.00, 0.36, 0.56
HSL	145°, 45%, 30%
HSV	145°, 62%, 44%
XYZ	7.9096, 12.5000, 8.0839
YIQ	86.8090, -28.2840, -27.0680

Conversions

Conversions Part 2

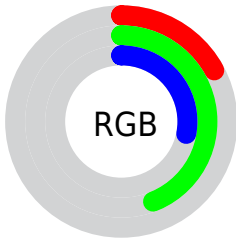
Format	Color
RYB	43, 92, 112
Decimal	2846792
CIELab	42.00, -31.71, 15.94
CIElCh	42, 35.488, 153.308
Yxy	12.5000, 0.2776, 0.4387
Android (android.graphics.Color)	4281036872 (0xFF2B7048)
YUV	86.8090, -7.3008, -38.4205
Hunter-Lab	35.3553, -21.9385, 11.1922

Details

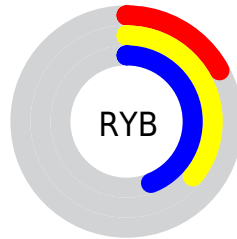
The CIELCh color **42, 35.488, 153.308** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **29, 36.454, 345.528**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 35.083, 153.419**, and **22, 32.365, 149.709** is the 20% darker color. If you saturate the color by 10%, you get **42, 40.254, 151.756**, and if you desaturate by 10%, it is **43, 30.296, 154.681**.

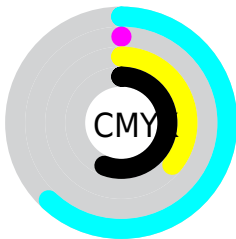
Distribution



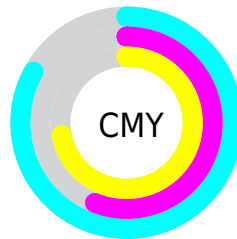
- Red (17%)
- Green (44%)
- Blue (28%)



- Red (17%)
- Yellow (36%)
- Blue (44%)



- Cyan (62%)
- Magenta (0%)
- Yellow (36%)
- Black (56%)





- Cyan (83%)
- Magenta (56%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 35.488, 153.308 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, 35.488, 153.308 by changing the saturation by 10% instead.


 42, 35.488,
153.308


 42, 35.488,
153.308


 100, 35.488,
153.308


 32, 35.488,
153.308

 62, 35.488,
153.308


 22, 35.488,
153.308

 72, 35.488,
153.308

 12, 35.488,
153.308

 82, 35.488,
153.308

 2, 35.488, 153.308

 92, 35.488,
153.308

 0, 35.488, 153.308

 42, 35.488,

 42, 35.488,

153.308

153.308

■ 42, 40.254,
151.756

■ 43, 30.296,
154.681

■ 41, 44.523,
150.019

■ 43, 24.764,
155.893

■ 41, 48.259,
148.103

■ 44, 18.988,
156.963

■ 41, 51.113,
146.605

■ 45, 13.058,
157.914

■ 46, 7.059, 158.772

■ 47, 1.057, 159.724

■ 48, 4.891, 340.119

■ 49, 10.744,
340.765

■ 51, 16.473,

Harmonies

Complementary

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



42, 35.488, 153.308



29, 36.454, 345.528

Rectangle

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



42, 35.488, 153.308



42, 35.488, 203.308



42, 35.488, 333.308



42, 35.488, 23.308

Sweetspot

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



42, 35.489, 153.308



58, 14.140, 158.116



44, 41.072, 123.391



30, 9.805, 157.916



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, 35.489, 153.308



53, 50.890, 151.052



43, 23.212, 188.112



23, 3.380, 159.000



44, 53.952, 146.419



86, 94.879, 145.068

Inverse Universe

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



29, 36.454, 345.528



35, 51.226, 347.758



28, 33.362, 21.167



22, 3.408, 340.228



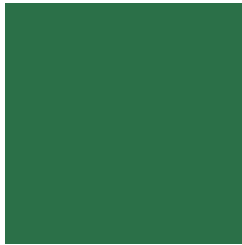
25, 49.888, 353.354



54, 84.416, 355.390

Previews

White Background



This preview shows how the CIELCh color 42, 35.488, 153.308 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 CIE LCh color 42, 35.488, 153.308 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, 35.488, 153.308

Background



This preview shows how black text looks on a background with the CIELCh color 42, 35.488, 153.308.



This preview shows how white text looks on a background with the CIELCh color 42, 35.488, 153.308.

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, 35.488, 153.308

Protanopia

42, 20.048, 96.464

Deuteranopia

42, 15.100, 68.723



Tritanopia
42, 17.475, 215.919

Trichromacy



Original Color
42, 35.488, 153.308

Protanomaly
42, 23.188, 129.494

Deuteranomaly
41, 17.041, 125.902

Tritanomaly
42, 21.144, 181.902

Monochromacy



Original Color
42, 35.488, 153.308

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 13.992, 156.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 35.488, 153.308 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(43, 112, 72)` looks like.

```
.text, #text, p{  
    color:rgb(43, 112, 72)  
}
```

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(43, 112, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 112, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 35.488, 153.308 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(43, 112, 72) }
```

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

```
.border{ border-color:rgb(43, 112, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 112, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 112, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 112, 72);  
box-shadow:4px 4px 4px 4px rgb(43, 112,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 35.488, 153.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 112, 72) }
```

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

```
.background{ background-color: rgb(43, 112,  
72) }
```

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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