

Converting Colors

CIELCh(42, 90.564, 122.725)

Have a look what the booklet for
CIELCh(42, 90.564, 122.725)
contains.

CIELCh(42, 65.497, 134.374)	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, 65.497, 134.374)

Conversions

Conversions Part 1

Format	Color
Hex	157300
RGB	21, 115, 0
RGB Percent	8%, 45%, 0%
CMY	0.9181, 0.5476, 1.0000
CMYK	0.82, 0.00, 1.00, 0.55
HSL	109°, 100%, 23%
HSV	109°, 100%, 45%
XYZ	6.4739, 12.5000, 2.0474
YIQ	73.7840, -19.1090, -55.6930

Conversions

Conversions Part 2

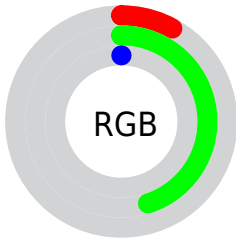
Format	Color
RYB	0, 115, 94
Decimal	1405696
CIELab	42.00, -45.80, 46.82
CIELCh	42, 65.497, 134.374
Yxy	12.5000, 0.3080, 0.5946
Android (android.graphics.Color)	4279595776 (0xFF157300)
YUV	73.7840, -36.3755, -46.2916
Hunter-Lab	35.3553, -29.1868, 21.3153

Details

The CIELCh color $42, 65.497, 134.374$ is a dark color, and the websafe version is hex 006600 . A complement of this color would be $22, 65.329, 321.642$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 65.271, 134.302$, and $23, 44.475, 136.657$ is the 20% darker color. If you saturate the color by 10%, you get $42, 65.327, 134.477$, and if you desaturate by 10%, it is $42, 62.097, 134.636$.

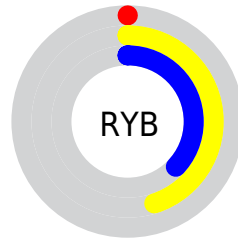
Distribution



Red (8%)

Green (45%)

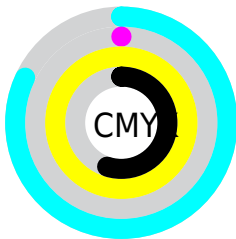
Blue (0%)



Red (0%)

Yellow (45%)

Blue (37%)

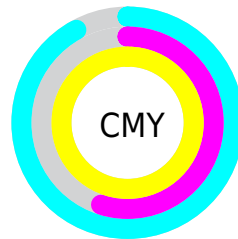


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (92%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 65.497, 134.374 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, 65.497, 134.374 by changing the saturation by 10% instead.


 42, 65.497,
134.374


 42, 65.497,
134.374


 100, 65.497,
134.374


 32, 65.497,
134.374

 62, 65.497,
134.374


 22, 65.497,
134.374

 72, 65.497,
134.374

 12, 65.497,
134.374

 82, 65.497,
134.374

 2, 65.497, 134.374

 92, 65.497,
134.374

 0, 65.497, 134.374

 42, 65.497,

 42, 65.497,

134.374

134.374

■ 42, 65.327,
134.477

■ 42, 62.097,
134.636

■ 43, 57.931,
134.817

■ 43, 52.491,
135.268

■ 43, 46.084,
135.877

■ 44, 39.001,
136.550

■ 45, 31.476,
137.220

■ 46, 23.692,
137.852

■ 46, 15.787,
138.429

Harmonies

Complementary

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



42, 65.497, 134.374



22, 65.329, 321.642

Rectangle

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



42, 65.497, 134.374



42, 65.497, 184.374



42, 65.497, 314.374



42, 65.497, 4.374

Sweetspot

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



42, 65.327, 134.477



59, 29.447, 137.805



41, 48.127, 89.939



30, 20.230, 137.598



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 65.327, 134.477



54, 79.407, 134.724



42, 57.126, 142.591



24, 4.483, 138.996



45, 68.209, 134.539



86, 116.384, 135.026

Inverse Universe

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



22, 65.329, 321.642



31, 79.202, 321.481



24, 51.273, 345.164



23, 4.506, 319.743



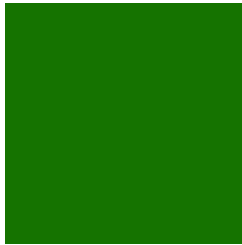
24, 68.166, 321.603



52, 115.721, 321.258

Previews

White Background



This preview shows how the CIELCh color 42, 65.497, 134.374 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, 65.497, 134.374 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, 65.497, 134.374

Background



This preview shows how black text looks on a background with the CIELCh color 42, 65.497, 134.374.



This preview shows how white text looks on a background with the CIELCh color 42, 65.497, 134.374.

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, 65.160, 134.453

Protanopia

42, 48.897, 95.162

Deuteranopia

42, 42.003, 82.976



Tritanopia
42, 18.672, 214.569

Trichromacy



Original Color
42, 65.160, 134.453

Protanomaly
41, 52.254, 116.590

Deuteranomaly
41, 45.993, 112.539

Tritanomaly
41, 33.775, 155.894

Monochromacy



Original Color
42, 65.160, 134.453

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 29.768, 136.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 65.497, 134.374 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(21, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 115, 0)  
}
```

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(21, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 65.497, 134.374 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(21, 115, 0) }
```

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

```
.border{ border-color:rgb(21, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(21, 115, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 65.497, 134.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 115, 0) }
```

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

```
.background{ background-color: rgb(21, 115,  
0) }
```

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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