

Converting Colors

CIELCh(42, 64.598, 133.223)

Have a look what the booklet for
CIELCh(42, 64.598, 133.223)
contains.

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Color

CIELCh(42, 64.339, 133.454)

Conversions

Conversions Part 1

Format	Color
Hex	1D7300
RGB	29, 115, 0
RGB Percent	11%, 45%, 0%
CMY	0.8868, 0.5494, 1.0000
CMYK	0.75, 0.00, 1.00, 0.55
HSL	105°, 100%, 23%
HSV	105°, 100%, 45%
XYZ	6.6228, 12.5000, 2.0602
YIQ	76.1760, -14.3410, -53.9970

Conversions

Conversions Part 2

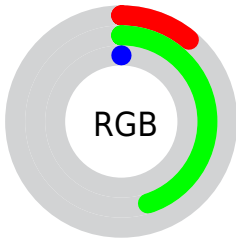
Format	Color
RYB	0, 115, 86
Decimal	1929984
CIELab	42.00, -44.25, 46.71
CIELCh	42, 64.339, 133.454
Yxy	12.5000, 0.3126, 0.5901
Android (android.graphics.Color)	4280120064 (0xFF1D7300)
YUV	76.1760, -37.5548, -41.3734
Hunter-Lab	35.3553, -28.4348, 21.2938

Details

The CIELCh color $42, 64.339, 133.454$ is a dark color, and the websafe version is hex 006600 . A complement of this color would be $21, 65.804, 319.296$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 64.210, 133.585$, and $23, 44.475, 136.657$ is the 20% darker color. If you saturate the color by 10%, you get $42, 64.315, 133.469$, and if you desaturate by 10%, it is $42, 60.970, 133.407$.

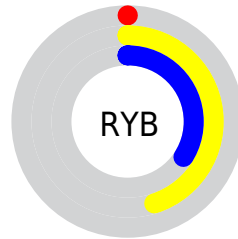
Distribution



Red (11%)

Green (45%)

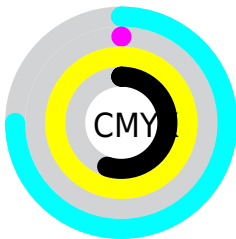
Blue (0%)



Red (0%)

Yellow (45%)

Blue (34%)

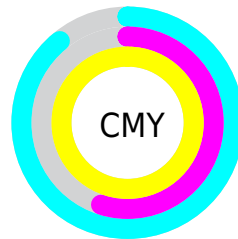


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (89%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 64.339, 133.454 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, 64.339, 133.454 by changing the saturation by 10% instead.


 42, 64.339,
133.454

 42, 64.339,
133.454


 100, 64.339,
133.454

 32, 64.339,
133.454

 62, 64.339,
133.454


 22, 64.339,
133.454

 72, 64.339,
133.454

 12, 64.339,
133.454

 82, 64.339,
133.454

 2, 64.339, 133.454

 92, 64.339,
133.454

 0, 64.339, 133.454

 42, 64.339,

 42, 64.339,

133.454

133.454

■ 42, 64.315,
133.469

■ 42, 60.970,
133.407

■ 43, 56.759,
133.392

■ 43, 51.341,
133.674

■ 44, 45.014,
134.143

■ 44, 38.060,
134.702

■ 45, 30.701,
135.283

■ 46, 23.106,
135.847

■ 46, 15.399,
136.372

Harmonies

Complementary

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



42, 64.339, 133.454



21, 65.804, 319.296

Rectangle

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



42, 64.339, 133.454



42, 64.339, 183.454



42, 64.339, 313.454



42, 64.339, 3.454

Sweetspot

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



42, 64.315, 133.469



59, 28.810, 135.803



38, 46.466, 82.894



30, 19.793, 135.617



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, 64.315, 133.469



54, 78.449, 133.780



42, 60.280, 140.133



24, 4.390, 136.897



45, 67.355, 133.550



87, 115.089, 134.169

Inverse Universe

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



21, 65.804, 319.296



29, 80.036, 319.082



25, 53.998, 339.637



23, 4.418, 317.604



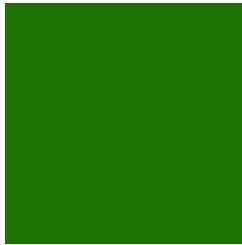
23, 68.862, 319.242



49, 117.010, 318.793

Previews

White Background



This preview shows how the CIELCh color 42, 64.339, 133.454 looks on a white background.

Color Contrast Check

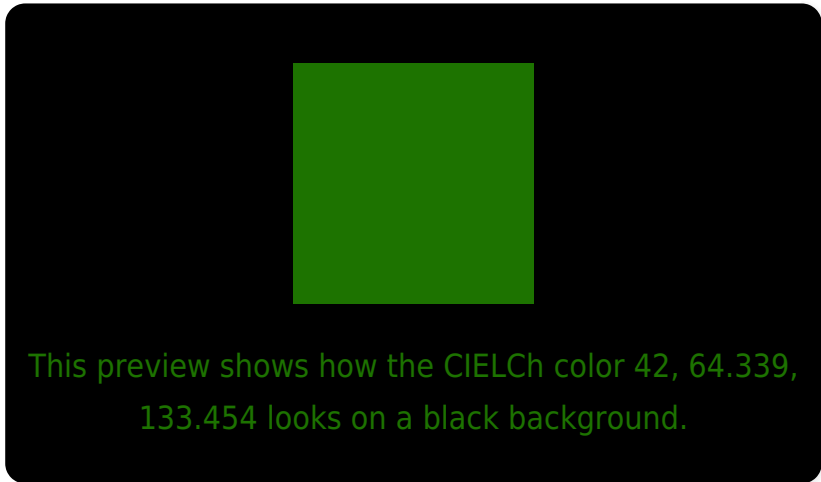
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

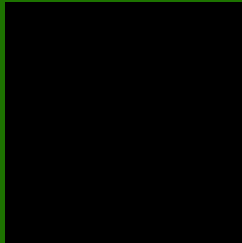
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 64.339, 133.454

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.339, 133.454.



This preview shows how white text looks on a background with the CIELCh color 42, 64.339, 133.454.

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, 64.339, 133.454

Protanopia

42, 48.825, 95.749

Deuteranopia

42, 42.003, 82.976



Tritanopia
42, 17.907, 213.327

Trichromacy



Original Color
42, 64.339, 133.454

Protanomaly
41, 52.011, 115.627

Deuteranomaly
41, 45.832, 111.368

Tritanomaly
42, 33.419, 154.162

Monochromacy



Original Color
42, 64.339, 133.454

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 29.080, 134.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.339, 133.454 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(29, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(29, 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(29, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.339, 133.454 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(29, 115, 0) }
```

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

```
.border{ border-color:rgb(29, 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(29, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(29, 115, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.339, 133.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 115, 0) }
```

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

```
.background{ background-color: rgb(29, 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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