

Converting Colors

CIELCh(42, 63.417, 132.785)

Have a look what the booklet for
CIELCh(42, 63.417, 132.785)
contains.

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Color

CIELCh(42, 63.528, 132.800)

Conversions

Conversions Part 1

Format	Color
Hex	217300
RGB	33, 115, 0
RGB Percent	13%, 45%, 0%
CMY	0.8688, 0.5506, 0.9982
CMYK	0.71, 0.00, 1.00, 0.55
HSL	103°, 99%, 23%
HSV	103°, 100%, 45%
XYZ	6.7284, 12.5000, 2.0711
YIQ	77.3720, -11.9570, -53.1490

Conversions

Conversions Part 2

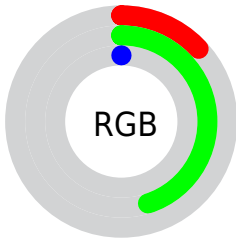
Format	Color
RYB	0, 115, 82
Decimal	2192128
CIELab	42.00, -43.16, 46.61
CIELCh	42, 63.528, 132.800
Yxy	12.5000, 0.3159, 0.5869
Android (android.graphics.Color)	4280382208 (0xFF217300)
YUV	77.3720, -38.1444, -38.9142
Hunter-Lab	35.3553, -27.9021, 21.2756

Details

The CIELCh color **42, 63.528, 132.800** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 65.936, 318.105**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 63.694, 132.858**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 63.663, 132.799**, and if you desaturate by 10%, it is **42, 60.137, 132.621**.

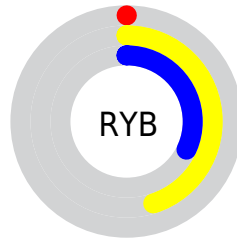
Distribution



Red (13%)

Green (45%)

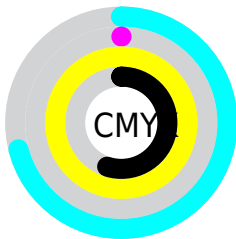
Blue (0%)



Red (0%)

Yellow (45%)

Blue (32%)

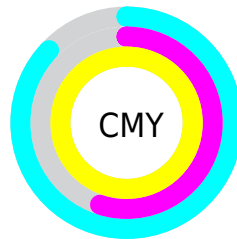


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (87%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 63.528, 132.800 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, 63.528, 132.800 by changing the saturation by 10% instead.

 42, 63.528,
132.800


 42, 63.528,
132.800


 100, 63.528,
132.800


 32, 63.528,
132.800

 62, 63.528,
132.800


 22, 63.528,
132.800

 72, 63.528,
132.800

 12, 63.528,
132.800

 82, 63.528,
132.800

 2, 63.528, 132.800

 92, 63.528,
132.800

 0, 63.528, 132.800

 42, 63.528,

 42, 63.528,

132.800

132.800

■ 42, 63.663,
132.799

■ 42, 60.137,
132.621

■ 43, 55.875,
132.528

■ 43, 50.448,
132.743

■ 44, 44.151,
133.153

■ 44, 37.258,
133.662

■ 45, 29.983,
134.203

■ 46, 22.487,
134.735

■ 46, 14.887,
135.237

Harmonies

Complementary

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



42, 63.528, 132.800



20, 65.936, 318.105

Rectangle

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



42, 63.528, 132.800



42, 63.528, 182.800



42, 63.528, 312.800



42, 63.528, 2.800

Sweetspot

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



42, 63.528, 132.801



58, 28.085, 134.675



37, 45.870, 80.004



29, 19.023, 134.506



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, 63.528, 132.801



54, 76.846, 133.125



42, 61.187, 139.361



23, 4.183, 135.730



44, 65.787, 132.863



86, 113.334, 133.567

Inverse Universe

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



20, 65.936, 318.105



27, 79.547, 317.871



25, 55.106, 337.621



22, 4.213, 316.416



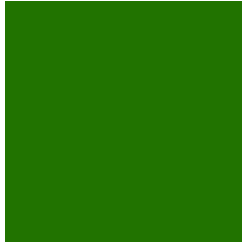
21, 68.249, 318.053



47, 116.894, 317.543

Previews

White Background



This preview shows how the CIELCh color 42, 63.528, 132.800 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, 63.528, 132.800 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, 63.528, 132.800

Background



This preview shows how black text looks on a background with the CIELCh color 42, 63.528, 132.800.



This preview shows how white text looks on a background with the CIELCh color 42, 63.528, 132.800.

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, 63.859, 132.844

Protanopia

42, 48.825, 95.749

Deuteranopia

42, 42.393, 83.100



Tritanopia
42, 17.414, 213.837

Trichromacy



Original Color
42, 63.859, 132.844

Protanomaly
41, 51.782, 114.643

Deuteranomaly
41, 45.544, 109.573

Tritanomaly
42, 32.795, 153.303

Monochromacy



Original Color
42, 63.859, 132.844

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 28.825, 134.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 63.528, 132.800 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(33, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(33, 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(33, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 63.528, 132.800 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(33, 115, 0) }
```

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

```
.border{ border-color:rgb(33, 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(33, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(33, 115, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 63.528, 132.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 115, 0) }
```

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

```
.background{ background-color: rgb(33, 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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