

Converting Colors

CIELCh(44, 64.815, 131.600)

Have a look what the booklet for
CIELCh(44, 64.815, 131.600)
contains.

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Color

CIELCh(44, 64.879, 131.608)

Conversions

Conversions Part 1

Format	Color
Hex	2A7800
RGB	42, 120, 0
RGB Percent	16%, 47%, 0%
CMY	0.8368, 0.5307, 1.0000
CMYK	0.65, 0.00, 1.00, 0.53
HSL	99°, 100%, 23%
HSV	99°, 100%, 47%
XYZ	7.6139, 13.8382, 2.2568
YIQ	82.9980, -7.9680, -53.8560

Conversions

Conversions Part 2

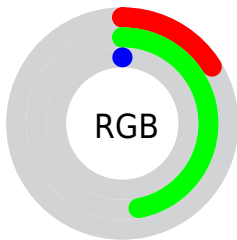
Format	Color
RYB	0, 120, 78
Decimal	2783232
CIELab	44.00, -43.08, 48.51
CIELCh	44, 64.879, 131.608
Yxy	13.8382, 0.3211, 0.5837
Android (android.graphics.Color)	4280973312 (0xFF2A7800)
YUV	82.9980, -40.9180, -35.9552
Hunter-Lab	37.1997, -28.5649, 22.4429

Details

The CIELCh color **44, 64.879, 131.608** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 68.901, 316.289**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 64.794, 131.644**, and **25, 46.996, 136.292** is the 20% darker color. If you saturate the color by 10%, you get **44, 64.792, 131.657**, and if you desaturate by 10%, it is **44, 61.377, 131.293**.

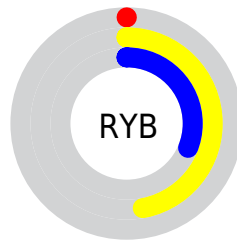
Distribution



Red (16%)

Green (47%)

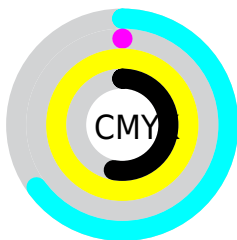
Blue (0%)



Red (0%)

Yellow (47%)

Blue (31%)

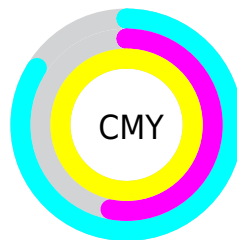


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (84%)

Magenta (53%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 64.879, 131.608 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 44, 64.879, 131.608 by changing the saturation by 10% instead.

 44, 64.879,
131.608

 44, 64.879,
131.608

 100, 64.879,
131.608

 34, 64.879,
131.608

 64, 64.879,
131.608

 24, 64.879,
131.608

 74, 64.879,
131.608

 14, 64.879,
131.608

 84, 64.879,
131.608

 4, 64.879, 131.608

 94, 64.879,
131.608

 0, 64.879, 131.608

 44, 64.879,

 44, 64.879,

131.608

131.608

■ 44, 64.792,
131.657

■ 44, 61.377,
131.293

■ 45, 57.088,
131.049

■ 45, 51.600,
131.141

■ 46, 45.217,
131.456

■ 46, 38.219,
131.896

■ 47, 30.829,
132.388

■ 48, 23.209,
132.887

■ 48, 15.477,
133.367

Harmonies

Complementary

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



44, 64.879, 131.608



20, 68.901, 316.289

Rectangle

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



44, 64.879, 131.608



44, 64.879, 181.608



44, 64.879, 311.608



44, 64.879, 1.608

Sweetspot

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



44, 64.792, 131.657



61, 28.761, 132.850



37, 47.167, 75.291



31, 19.757, 132.680



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 64.792, 131.657



56, 78.683, 132.013



43, 64.972, 138.186



24, 4.271, 133.862



45, 65.870, 131.692



87, 112.683, 132.459

Inverse Universe

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



20, 68.901, 316.289



27, 83.465, 316.040



27, 58.998, 334.961



23, 4.309, 314.547



20, 70.031, 316.265



45, 119.166, 315.712

Previews

White Background



This preview shows how the CIELCh color 44, 64.879, 131.608 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 44, 64.879, 131.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

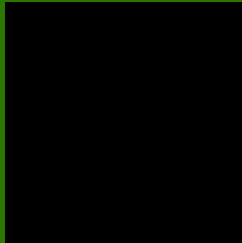
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 64.879, 131.608

Background



This preview shows how black text looks on a background with the CIELCh color 44, 64.879, 131.608.



This preview shows how white text looks on a background with the CIELCh color 44, 64.879, 131.608.

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

44, 64.879, 131.608

Protanopia

44, 50.578, 95.485

Deuteranopia

44, 43.984, 82.620



Tritanopia
44, 17.003, 216.375

Trichromacy



Original Color
44, 64.879, 131.608

Protanomaly
43, 53.211, 113.231

Deuteranomaly
43, 47.070, 108.138

Tritanomaly
43, 32.470, 151.870

Monochromacy



Original Color
44, 64.879, 131.608

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 28.712, 132.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 64.879, 131.608 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(42, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 120, 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(42, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 120, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 64.879, 131.608 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(42, 120, 0) }
```

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

```
.border{ border-color:rgb(42, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 120, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 64.879, 131.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 120, 0) }
```

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

```
.background{ background-color: rgb(42, 120,  
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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