

Converting Colors

CIELCh(42, 66.174, 135.485)

Have a look what the booklet for
CIELCh(42, 66.174, 135.485)
contains.

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Color

CIELCh(42, 66.187, 135.516)

Conversions

Conversions Part 1

Format	Color
Hex	097401
RGB	9, 116, 1
RGB Percent	4%, 45%, 0%
CMY	0.9632, 0.5460, 0.9973
CMYK	0.92, 0.00, 0.99, 0.55
HSL	115°, 99%, 23%
HSV	115°, 99%, 45%
XYZ	6.3401, 12.5000, 2.0985
YIQ	70.8970, -26.8570, -58.4490

Conversions

Conversions Part 2

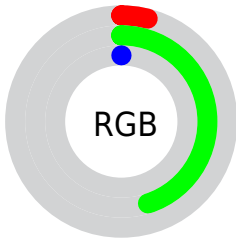
Format	Color
RYB	1, 116, 108
Decimal	619521
CIELab	42.00, -47.22, 46.38
CIELCh	42, 66.187, 135.516
Yxy	12.5000, 0.3028, 0.5970
Android (android.graphics.Color)	4278809601 (0xFF097401)
YUV	70.8970, -34.4592, -54.2837
Hunter-Lab	35.3553, -29.8622, 21.2297

Details

The CIELCh color **42, 66.187, 135.516** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 64.624, 325.411**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.266, 135.599**, and **23, 44.989, 136.570** is the 20% darker color. If you saturate the color by 10%, you get **42, 66.363, 135.472**, and if you desaturate by 10%, it is **42, 63.204, 136.030**.

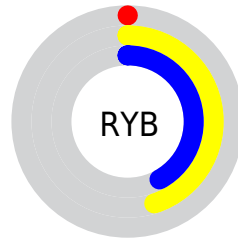
Distribution



Red (4%)

Green (45%)

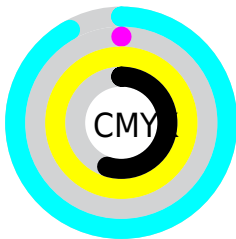
Blue (0%)



Red (0%)

Yellow (45%)

Blue (42%)

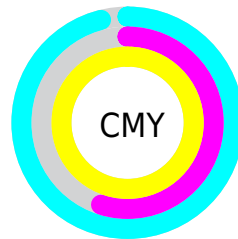


Cyan (92%)

Magenta (0%)

Yellow (99%)

Black (55%)



Cyan (96%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 66.187, 135.516 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, 66.187, 135.516 by changing the saturation by 10% instead.


 42, 66.187,
135.516


 42, 66.187,
135.516


 100, 66.187,
135.516


 32, 66.187,
135.516

 62, 66.187,
135.516


 22, 66.187,
135.516

 72, 66.187,
135.516

 12, 66.187,
135.516

 82, 66.187,
135.516

 2, 66.187, 135.516

 92, 66.187,
135.516

 0, 66.187, 135.516

 42, 66.187,

 42, 66.187,

135.516

135.516

■ 42, 66.363,
135.472

■ 42, 63.204,
136.030

■ 42, 59.119,
136.574

■ 43, 53.670,
137.340

■ 43, 47.165,
138.211

■ 44, 39.905,
139.092

■ 45, 32.143,
139.926

■ 46, 24.081,
140.684

■ 47, 15.878,
141.356

Harmonies

Complementary

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



42, 66.187, 135.516



25, 64.624, 325.411

Rectangle

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



42, 66.187, 135.516



42, 66.187, 185.516



42, 66.187, 315.516



42, 66.187, 5.516

Sweetspot

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



42, 66.187, 135.517



58, 30.452, 140.585



44, 50.932, 97.514



30, 20.917, 140.337



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, 66.187, 135.517



54, 80.357, 135.614



42, 52.516, 146.439



24, 4.635, 141.968



44, 69.091, 135.506



86, 117.568, 135.775

Inverse Universe

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



25, 64.624, 325.411



33, 78.307, 325.338



24, 48.685, 352.741



23, 4.648, 322.809



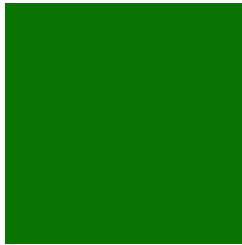
27, 67.420, 325.393



56, 114.340, 325.238

Previews

White Background



This preview shows how the CIELCh color 42, 66.187, 135.516 looks on a white background.

Color Contrast Check

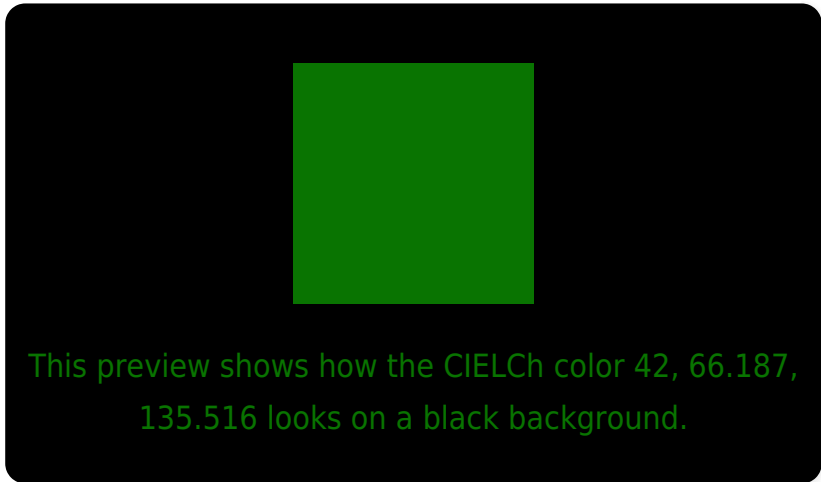
Large Text (above 18pt) WCAG AA ✓ Pass

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

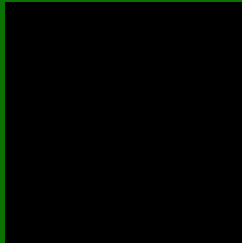
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 66.187, 135.516

Background



This preview shows how black text looks on a background with the CIELCh color 42, 66.187, 135.516.



This preview shows how white text looks on a background with the CIELCh color 42, 66.187, 135.516.

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, 66.243, 135.579

Protanopia

42, 48.897, 95.162

Deuteranopia

42, 42.003, 82.976



Tritanopia
42, 19.545, 211.794

Trichromacy



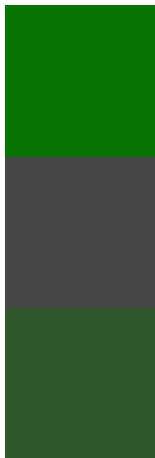
Original Color
42, 66.243, 135.579

Protanomaly
41, 52.780, 118.455

Deuteranomaly
40, 46.481, 115.383

Tritanomaly
42, 35.462, 156.770

Monochromacy



Original Color
42, 66.243, 135.579

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 30.736, 138.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 66.187, 135.516 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(9, 116, 1)` looks like.

```
.text, #text, p{  
    color:rgb(9, 116, 1)  
}
```

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(9, 116, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 116, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 66.187, 135.516 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(9, 116, 1) }
```

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

```
.border{ border-color:rgb(9, 116, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 116, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 116, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 116, 1); box-shadow:4px  
4px 4px 4px rgb(9, 116, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 66.187, 135.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 116, 1) }
```

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

```
.background{ background-color: rgb(9, 116,  
1) }
```

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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