

Converting Colors

CIELCh(41, 63.871, 134.265)

Have a look what the booklet for
CIELCh(41, 63.871, 134.265)
contains.

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Color

CIELCh(41, 63.775, 134.246)

Conversions

Conversions Part 1

Format	Color
Hex	177001
RGB	23, 112, 1
RGB Percent	9%, 44%, 0%
CMY	0.9109, 0.5591, 0.9978
CMYK	0.80, 0.00, 0.99, 0.56
HSL	108°, 99%, 22%
HSV	108°, 99%, 44%
XYZ	6.1924, 11.8645, 1.9797
YIQ	72.7350, -17.4130, -53.3890

Conversions

Conversions Part 2

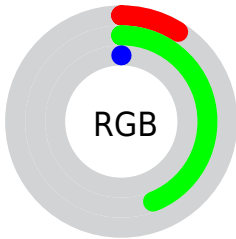
Format	Color
R_{YB}	1, 112, 90
Decimal	1536001
CIE _{Lab}	41.00, -44.50, 45.69
CIE _{LCh}	41, 63.775, 134.246
Yxy	11.8645, 0.3091, 0.5921
Android (android.graphics.Color)	4279726081 (0xFF177001)
YUV	72.7350, -35.3654, -43.6176
Hunter-Lab	34.4449, -28.1887, 20.7038

Details

The CIELCh color $41, 63.775, 134.246$ is a dark color, and the websafe version is hex 006600 . A complement of this color would be $22, 64.125, 321.083$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 63.667, 134.179$, and $22, 43.432, 136.854$ is the 20% darker color. If you saturate the color by 10%, you get $41, 63.937, 134.229$, and if you desaturate by 10%, it is $41, 60.497, 134.358$.

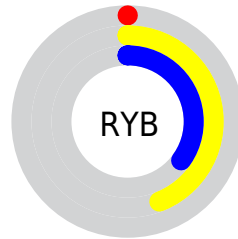
Distribution



Red (9%)

Green (44%)

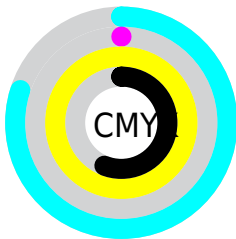
Blue (0%)



Red (0%)

Yellow (44%)

Blue (35%)

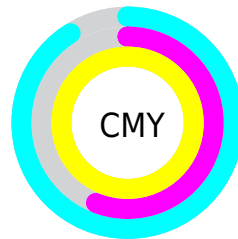


Cyan (80%)

Magenta (0%)

Yellow (99%)

Black (56%)



Cyan (91%)

Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 63.775, 134.246 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 41, 63.775, 134.246 by changing the saturation by 10% instead.


 41, 63.775,
134.246


 41, 63.775,
134.246


 100, 63.775,
134.246


 31, 63.775,
134.246

 61, 63.775,
134.246


 21, 63.775,
134.246

 71, 63.775,
134.246


 11, 63.775,
134.246


 81, 63.775,
134.246

 1, 63.775, 134.246

 91, 63.775,
134.246

 0, 63.775, 134.246

 41, 63.775,

 41, 63.775,

134.246

134.246

■ 41, 63.937,
134.229

■ 41, 60.497,
134.358

■ 42, 56.300,
134.511

■ 42, 50.896,
134.933

■ 42, 44.582,
135.511

■ 43, 37.636,
136.154

■ 44, 30.282,
136.798

■ 45, 22.690,
137.408

■ 45, 14.988,
137.966

Harmonies

Complementary

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



41, 63.775, 134.246



22, 64.125, 321.083

Rectangle

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



41, 63.775, 134.246



41, 63.775, 184.246



41, 63.775, 314.246



41, 63.775, 4.246

Sweetspot

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



41, 63.775, 134.247



57, 28.475, 137.333



39, 46.756, 88.683



29, 19.564, 137.137



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 63.775, 134.247



53, 77.196, 134.491



41, 56.523, 142.186



23, 4.296, 138.496



44, 66.981, 134.301



86, 115.200, 134.840

Inverse Universe

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



22, 64.125, 321.083



29, 77.407, 320.902



24, 50.807, 343.861



22, 4.319, 319.224



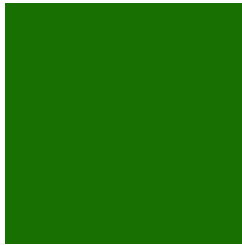
23, 67.295, 321.028



50, 115.111, 320.644

Previews

White Background



This preview shows how the CIELCh color 41, 63.775, 134.246 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 CIELCh color 41, 63.775, 134.246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

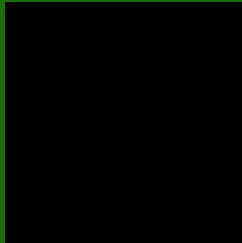
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 63.775, 134.246

Background



This preview shows how black text looks on a background with the CIELCh color 41, 63.775, 134.246.



This preview shows how white text looks on a background with the CIELCh color 41, 63.775, 134.246.

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


41, 63.466, 134.255

Protanopia

41, 48.148, 95.622

Deuteranopia

41, 41.211, 82.432



Tritanopia
41, 18.360, 212.915

Trichromacy



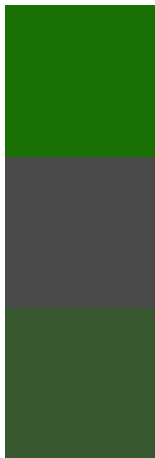
Original Color
41, 63.466, 134.255

Protanomaly
40, 51.480, 116.317

Deuteranomaly
39, 45.055, 112.151

Tritanomaly
41, 33.419, 155.255

Monochromacy



Original Color
41, 63.466, 134.255

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 28.411, 136.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 63.775, 134.246 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(23, 112, 1)` looks like.

```
.text, #text, p{  
    color:rgb(23, 112, 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(23, 112, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 112, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 63.775, 134.246 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(23, 112, 1) }
```

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

```
.border{ border-color:rgb(23, 112, 1) }
```

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

Here you see how a box with a 4 pixel rgb(23, 112, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 112, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 112, 1);  
box-shadow:4px 4px 4px 4px rgb(23, 112, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 63.775, 134.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 112, 1) }
```

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

```
.background{ background-color: rgb(23, 112,  
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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