

Converting Colors

CIELCh(42, 51.678, 134.836)

Have a look what the booklet for
CIELCh(42, 51.678, 134.836)
contains.

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Color

CIELCh(42, 51.835, 134.824)

Conversions

Conversions Part 1

Format	Color
Hex	317121
RGB	49, 113, 33
RGB Percent	19%, 44%, 13%
CMY	0.8090, 0.5580, 0.8717
CMYK	0.57, 0.00, 0.71, 0.56
HSL	108°, 55%, 29%
HSV	108°, 71%, 44%
XYZ	7.3957, 12.5000, 3.4414
YIQ	84.7440, -12.4640, -38.4480

Conversions

Conversions Part 2

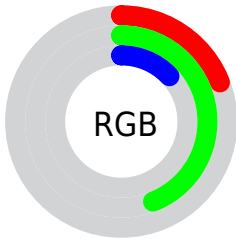
Format	Color
R_{YB}	33, 113, 97
Decimal	3240225
CIE _{Lab}	42.00, -36.54, 36.77
CIE _{LCh}	42, 51.835, 134.824
Yxy	12.5000, 0.3169, 0.5356
Android (android.graphics.Color)	4281430305 (0xFF317121)
YUV	84.7440, -25.5098, -31.3475
Hunter-Lab	35.3553, -24.5330, 18.9776

Details

The CIELCh color $42, 51.835, 134.824$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $26, 52.780, 321.342$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 52.110, 134.919$, and $23, 43.956, 136.752$ is the 20% darker color. If you saturate the color by 10%, you get $42, 57.090, 134.440$, and if you desaturate by 10%, it is $42, 45.626, 135.384$.

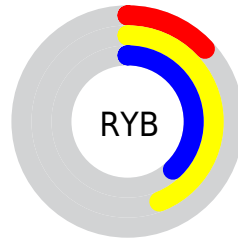
Distribution



Red (19%)

Green (44%)

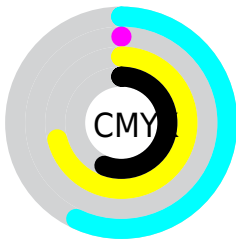
Blue (13%)



Red (13%)

Yellow (44%)

Blue (38%)

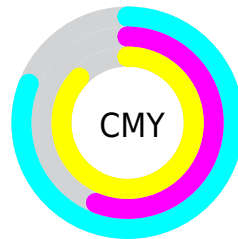


Cyan (57%)

Magenta (0%)

Yellow (71%)

Black (56%)



Cyan (81%)


Magenta (56%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 51.835, 134.824 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, 51.835, 134.824 by changing the saturation by 10% instead.


 42, 51.835,
134.824


 42, 51.835,
134.824


 100, 51.835,
134.824


 32, 51.835,
134.824

 62, 51.835,
134.824


 22, 51.835,
134.824

 72, 51.835,
134.824

 12, 51.835,
134.824

 82, 51.835,
134.824

 2, 51.835, 134.824

 92, 51.835,
134.824

 0, 51.835, 134.824

 42, 51.835,

 42, 51.835,

134.824

134.824

■ 42, 57.090,
134.440

■ 42, 45.626,
135.384

■ 41, 61.093,
134.340

■ 43, 38.747,
136.019

■ 41, 64.036,
134.211

■ 44, 31.429,
136.664

■ 45, 23.851,
137.279

■ 45, 16.147,
137.844

■ 46, 8.416, 138.355

■ 47, 0.733, 138.970

■ 49, 6.850, 319.150

■ 50, 14.296,

319.496

Harmonies

Complementary

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



42, 51.835, 134.824



26, 52.780, 321.342

Rectangle

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



42, 51.835, 134.824



42, 51.835, 184.824



42, 51.835, 314.824



42, 51.835, 4.824

Sweetspot

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



42, 51.835, 134.825



58, 19.922, 137.813



41, 37.492, 92.264



30, 13.593, 137.699



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, 51.835, 134.825



53, 71.751, 134.338



42, 44.431, 146.999



23, 4.295, 138.451



44, 66.964, 134.282



86, 115.174, 134.823

Inverse Universe

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



26, 52.780, 321.342



31, 72.555, 321.302



28, 43.802, 339.994



22, 4.317, 319.178



23, 67.309, 320.976



50, 115.137, 320.590

Previews

White Background



This preview shows how the CIELCh color 42, 51.835, 134.824 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, 51.835, 134.824 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, 51.835, 134.824

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.835, 134.824.



This preview shows how white text looks on a background with the CIELCh color 42, 51.835, 134.824.

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, 51.835, 134.824

Protanopia

42, 39.749, 95.575

Deuteranopia

42, 35.111, 80.974



Tritanopia
42, 14.878, 219.543

Trichromacy



Original Color
42, 51.835, 134.824

Protanomaly
41, 41.766, 114.688

Deuteranomaly
41, 36.527, 108.475

Tritanomaly
42, 24.196, 159.873

Monochromacy



Original Color
42, 51.835, 134.824

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 20.415, 137.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.835, 134.824 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(49, 113, 33)` looks like.

```
.text, #text, p{  
    color:rgb(49, 113, 33)  
}
```

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(49, 113, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 113, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.835, 134.824 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(49, 113, 33) }
```

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

```
.border{ border-color:rgb(49, 113, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 113, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 113, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 113, 33);  
box-shadow:4px 4px 4px 4px rgb(49, 113,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.835, 134.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 113, 33) }
```

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

```
.background{ background-color: rgb(49, 113,  
33) }
```

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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