

Converting Colors

CIELCh(42, 33.337, 119.597)

Have a look what the booklet for
CIELCh(42, 33.337, 119.597)
contains.

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Color

CIELCh(42, 32.825, 119.404)

Conversions

Conversions Part 1

Format	Color
Hex	586932
RGB	88, 105, 50
RGB Percent	35%, 41%, 20%
CMY	0.6535, 0.5868, 0.8026
CMYK	0.16, 0.00, 0.52, 0.59
HSL	79°, 35%, 31%
HSV	79°, 52%, 41%
XYZ	9.7282, 12.5000, 4.9548
YIQ	93.6470, 7.5230, -20.7090

Conversions

Conversions Part 2

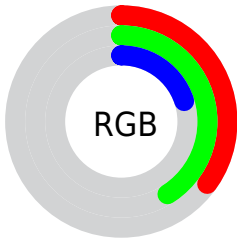
Format	Color
RYB	50, 105, 67
Decimal	5794098
CIELab	42.00, -16.12, 28.60
CIElCh	42, 32.825, 119.404
Yxy	12.5000, 0.3579, 0.4598
Android (android.graphics.Color)	4283984178 (0xFF586932)
YUV	93.6470, -21.5180, -4.9524
Hunter-Lab	35.3553, -12.7569, 16.4396

Details

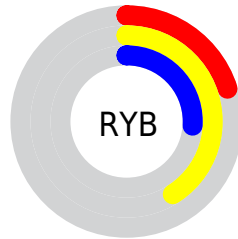
The CIELCh color $42, 32.825, 119.404$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $25, 36.526, 305.786$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 32.616, 119.414$, and $22, 32.962, 119.117$ is the 20% darker color. If you saturate the color by 10%, you get $42, 38.436, 119.032$, and if you desaturate by 10%, it is $42, 26.848, 119.879$.

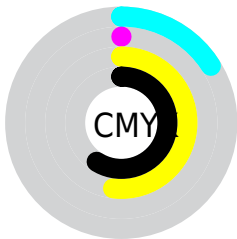
Distribution



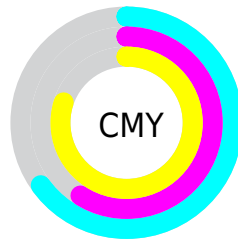
- Red (35%)
- Green (41%)
- Blue (20%)



- Red (20%)
- Yellow (41%)
- Blue (26%)



- Cyan (16%)
- Magenta (0%)
- Yellow (52%)
- Black (59%)




- Cyan (65%)
- Magenta (59%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 32.825, 119.404 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, 32.825, 119.404 by changing the saturation by 10% instead.


 42, 32.825,
119.404


 42, 32.825,
119.404


 100, 32.825,
119.404


 32, 32.825,
119.404

 62, 32.825,
119.404


 22, 32.825,
119.404

 72, 32.825,
119.404

 12, 32.825,
119.404

 82, 32.825,
119.404

 2, 32.825, 119.404

 92, 32.825,
119.404

 0, 32.825, 119.404

 42, 32.825,

 42, 32.825,

119.404

119.404

■ 42, 38.436,
119.032

■ 42, 26.848,
119.879

■ 41, 43.487,
118.825

■ 43, 20.640,
120.404

■ 41, 47.736,
118.869

■ 43, 14.294,
120.950

■ 41, 50.953,
119.251

■ 44, 7.876, 121.497

■ 41, 53.254,
119.558

■ 44, 1.431, 122.047

■ 45, 5.010, 302.526

■ 46, 11.424,
303.011

■ 46, 17.793,
303.463

■ 47, 24.105,

Harmonies

Complementary

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



42, 32.825, 119.404



25, 36.526, 305.786

Rectangle

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



42, 32.825, 119.404



42, 32.825, 169.404



42, 32.825, 299.404



42, 32.825, 349.404

Sweetspot

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



42, 32.826, 119.406



56, 12.834, 121.267



32, 22.322, 49.080



28, 8.598, 121.188



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 32.826, 119.406



54, 48.204, 118.960



40, 37.515, 135.954



22, 3.668, 121.673



45, 57.537, 119.731



89, 99.542, 120.570

Inverse Universe

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



25, 36.526, 305.786



29, 55.450, 306.852



29, 38.242, 320.896



20, 3.731, 302.625



14, 72.700, 308.824



34, 125.971, 308.285

Previews

White Background



This preview shows how the CIELCh color 42, 32.825, 119.404 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, 32.825, 119.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

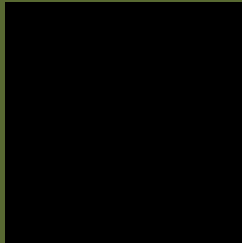
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 32.825, 119.404

Background



This preview shows how black text looks on a background with the CIELCh color 42, 32.825, 119.404.



This preview shows how white text looks on a background with the CIELCh color 42, 32.825, 119.404.

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, 32.825, 119.404

Protanopia

42, 30.275, 96.412

Deuteranopia

42, 28.075, 78.428



Tritanopia
42, 5.062, 272.546

Trichromacy



Original Color
42, 32.825, 119.404

Protanomaly
42, 30.303, 105.600

Deuteranomaly
42, 27.700, 94.975

Tritanomaly
42, 9.677, 129.622

Monochromacy



Original Color
42, 32.825, 119.404

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 12.352, 120.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 32.825, 119.404 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(88, 105, 50)` looks like.

```
.text, #text, p{  
    color:rgb(88, 105, 50)  
}
```

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(88, 105, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 105, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 32.825, 119.404 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(88, 105, 50) }
```

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

```
.border{ border-color:rgb(88, 105, 50) }
```

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

Here you see how a box with a 4 pixel rgb(88, 105, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 105, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 105, 50);  
box-shadow:4px 4px 4px 4px rgb(88, 105,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 32.825, 119.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 105, 50) }
```

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

```
.background{ background-color: rgb(88, 105,  
50) }
```

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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