

Converting Colors

CIELCh(42, 33.089, 121.307)

Have a look what the booklet for
CIELCh(42, 33.089, 121.307)
contains.

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Color

CIELCh(42, 33.170, 121.647)

Conversions

Conversions Part 1

Format	Color
Hex	566A33
RGB	86, 106, 51
RGB Percent	34%, 42%, 20%
CMY	0.6631, 0.5847, 0.8003
CMYK	0.19, 0.00, 0.52, 0.58
HSL	82°, 35%, 31%
HSV	82°, 52%, 42%
XYZ	9.5683, 12.5000, 5.0299
YIQ	93.7500, 5.7350, -21.3450

Conversions

Conversions Part 2

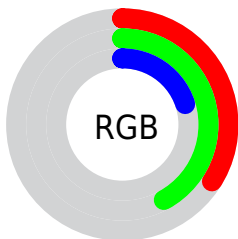
Format	Color
RYB	51, 106, 71
Decimal	5663283
CIELab	42.00, -17.40, 28.24
CIElCh	42, 33.170, 121.647
Yxy	12.5000, 0.3531, 0.4613
Android (android.graphics.Color)	4283853363 (0xFF566A33)
YUV	93.7500, -21.0757, -6.7968
Hunter-Lab	35.3553, -13.5638, 16.3137

Details

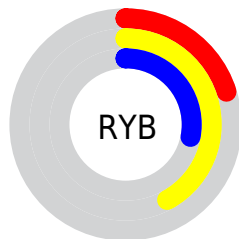
The CIELCh color $42, 33.170, 121.647$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $26, 36.553, 307.392$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 32.905, 121.513$, and $22, 33.499, 121.413$ is the 20% darker color. If you saturate the color by 10%, you get $42, 38.907, 121.305$, and if you desaturate by 10%, it is $42, 27.075, 122.090$.

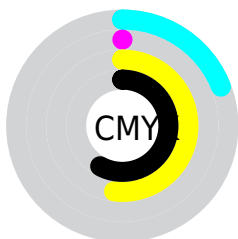
Distribution



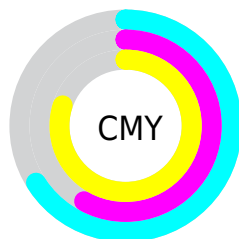
- Red (34%)
- Green (42%)
- Blue (20%)



- Red (20%)
- Yellow (42%)
- Blue (28%)



- Cyan (19%)
- Magenta (0%)
- Yellow (52%)
- Black (58%)





- Cyan (66%)
- Magenta (58%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 33.170, 121.647 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, 33.170, 121.647 by changing the saturation by 10% instead.


 42, 33.170,
121.647


 42, 33.170,
121.647


 100, 33.170,
121.647


 32, 33.170,
121.647

 62, 33.170,
121.647


 22, 33.170,
121.647

 72, 33.170,
121.647

 12, 33.170,
121.647

 82, 33.170,
121.647

 2, 33.170, 121.647

 92, 33.170,
121.647

 0, 33.170, 121.647

 42, 33.170,

 42, 33.170,

121.647

■ 42, 38.907,
121.305

■ 41, 44.093,
121.129

■ 41, 48.488,
121.210

■ 41, 51.852,
121.644

■ 40, 54.327,
122.007

121.647

■ 42, 27.075,
122.090

■ 43, 20.755,
122.581

■ 43, 14.304,
123.091

■ 44, 7.788, 123.598

■ 45, 1.253, 124.117

■ 45, 5.269, 304.537

■ 46, 11.755,
304.978

■ 47, 18.186,
305.386

■ 48, 24.551,

Harmonies

Complementary

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



42, 33.170, 121.647



26, 36.553, 307.392

Rectangle

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



42, 33.170, 121.647



42, 33.170, 171.647



42, 33.170, 301.647



42, 33.170, 351.647

Sweetspot

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



42, 33.171, 121.649



56, 12.958, 123.370



33, 21.965, 54.056



28, 8.682, 123.297



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, 33.171, 121.649



53, 48.139, 121.259



40, 38.035, 137.211



22, 3.702, 123.747



45, 58.494, 122.185



88, 101.331, 123.090

Inverse Universe

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



26, 36.553, 307.392



30, 54.531, 308.234



29, 38.494, 322.432



20, 3.761, 304.614



14, 71.969, 309.665



35, 124.715, 309.074

Previews

White Background



This preview shows how the CIELCh color 42, 33.170, 121.647 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 42, 33.170, 121.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

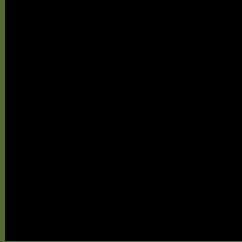
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 33.170, 121.647

Background



This preview shows how black text looks on a background with the CIELCh color 42, 33.170, 121.647.



This preview shows how white text looks on a background with the CIELCh color 42, 33.170, 121.647.

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, 33.170, 121.647

Protanopia

42, 29.739, 96.343

Deuteranopia

42, 27.557, 78.006



Tritanopia
42, 5.512, 260.771

Trichromacy



Original Color
42, 33.170, 121.647

Protanomaly
42, 30.274, 106.538

Deuteranomaly
42, 27.050, 95.858

Tritanomaly
42, 10.410, 138.168

Monochromacy



Original Color
42, 33.170, 121.647

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 12.460, 122.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 33.170, 121.647 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(86, 106, 51)` looks like.

```
.text, #text, p{  
    color:rgb(86, 106, 51)  
}
```

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(86, 106, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 106, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 33.170, 121.647 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(86, 106, 51) }
```

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

```
.border{ border-color:rgb(86, 106, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 106, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 106, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 106, 51);  
box-shadow:4px 4px 4px 4px rgb(86, 106,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 33.170, 121.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 106, 51) }
```

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

```
.background{ background-color: rgb(86, 106,  
51) }
```

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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