

Converting Colors

CIELCh(42, 12.135, 138.208)

Have a look what the booklet for
CIELCh(42, 12.135, 138.208)
contains.

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Color

CIELCh(42, 11.872, 138.757)

Conversions

Conversions Part 1

Format	Color
Hex	596756
RGB	89, 103, 86
RGB Percent	35%, 40%, 34%
CMY	0.6509, 0.5960, 0.6627
CMYK	0.14, 0.00, 0.17, 0.60
HSL	109°, 9%, 37%
HSV	109°, 17%, 40%
XYZ	10.6531, 12.5000, 10.6583
YIQ	96.8760, -2.8870, -8.2550

Conversions

Conversions Part 2

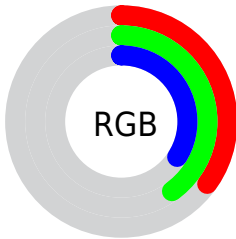
Format	Color
R_{YB}	86, 103, 100
Decimal	5859158
CIE _{Lab}	42.00, -8.93, 7.83
CIE _{LCh}	42, 11.872, 138.757
Yxy	12.5000, 0.3151, 0.3697
Android (android.graphics.Color)	4284049238 (0xFF596756)
YUV	96.8760, -5.3619, -6.9073
Hunter-Lab	35.3553, -8.0872, 6.8751

Details

The CIELCh color $42, 11.872, 138.757$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $38, 11.954, 320.200$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 11.707, 139.260$, and $22, 11.788, 139.522$ is the 20% darker color. If you saturate the color by 10%, you get $41, 19.102, 138.207$, and if you desaturate by 10%, it is $43, 4.655, 139.259$.

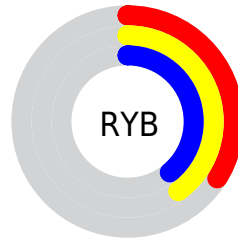
Distribution



Red (35%)

Green (40%)

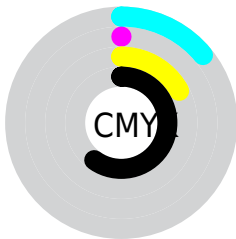
Blue (34%)



Red (34%)

Yellow (40%)

Blue (39%)

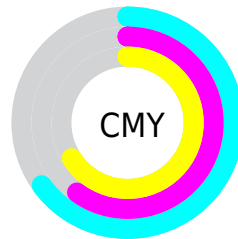


Cyan (14%)

Magenta (0%)

Yellow (17%)

Black (60%)



Cyan (65%)


Magenta (60%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 11.872, 138.757 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, 11.872, 138.757 by changing the saturation by 10% instead.


 42, 11.872,
138.757


 42, 11.872,
138.757


 100, 11.872,
138.757


 32, 11.872,
138.757

 62, 11.872,
138.757


 22, 11.872,
138.757

 72, 11.872,
138.757


 12, 11.872,
138.757


 82, 11.872,
138.757

 2, 11.872, 138.757

 92, 11.872,
138.757

 0, 11.872, 138.757

 42, 11.872,

 42, 11.872,

138.757

138.757

■ 41, 19.102,
138.207

■ 43, 4.655, 139.259

■ 40, 26.260,
137.599

■ 44, 2.493, 319.600

■ 45, 9.528, 320.006

■ 40, 33.237,
136.944

■ 46, 16.419,
320.328

■ 39, 39.888,
136.267

■ 47, 23.150,
320.603

■ 39, 46.023,
135.620

■ 49, 29.708,
320.838

■ 38, 51.404,
135.081

■ 50, 36.090,
321.039

■ 38, 55.756,
134.756

■ 52, 42.295,
321.211

■ 38, 59.098,
134.571

■ 53, 48.326,

■ 38, 60.232,
134.402

321.358

Harmonies

Complementary

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



42, 11.872, 138.757



38, 11.954, 320.200

Rectangle

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



42, 11.872, 138.757



42, 11.872, 188.757



42, 11.872, 318.757



42, 11.872, 8.757

Sweetspot

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



42, 11.873, 138.758



56, 4.467, 139.327



42, 8.442, 99.631



29, 3.073, 139.301



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, 11.873, 138.758



54, 18.003, 138.540



42, 10.014, 153.839



21, 3.991, 139.140



42, 65.121, 134.526



84, 113.725, 135.057

Inverse Universe

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



38, 11.954, 320.200



49, 18.148, 320.377



39, 10.089, 336.041



19, 4.010, 319.866



22, 65.043, 321.802



50, 112.953, 321.433

Previews

White Background



This preview shows how the CIELCh color 42, 11.872, 138.757 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, 11.872, 138.757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

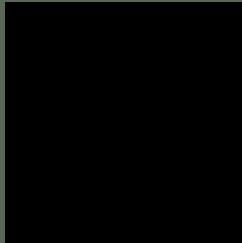
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 11.872, 138.757

Background



This preview shows how black text looks on a background with the CIELCh color 42, 11.872, 138.757.



This preview shows how white text looks on a background with the CIELCh color 42, 11.872, 138.757.

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, 11.872, 138.757

Protanopia

42, 9.277, 95.062

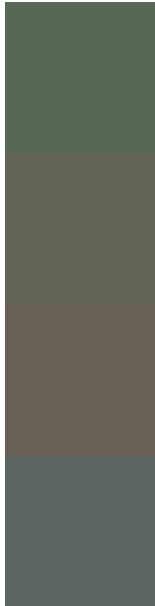
Deuteranopia

42, 9.025, 47.947



Tritanopia
42, 5.512, 260.771

Trichromacy



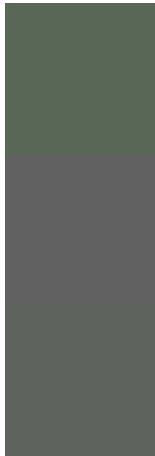
Original Color
42, 11.872, 138.757

Protanomaly
42, 9.021, 111.593

Deuteranomaly
42, 7.120, 87.565

Tritanomaly
42, 3.725, 189.678

Monochromacy



Original Color
42, 11.872, 138.757

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 4.208, 139.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 11.872, 138.757 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(89, 103, 86)` looks like.

```
.text, #text, p{  
    color:rgb(89, 103, 86)  
}
```

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(89, 103, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 103, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 11.872, 138.757 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(89, 103, 86) }
```

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

```
.border{ border-color:rgb(89, 103, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 103, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 103, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 103, 86);  
box-shadow:4px 4px 4px 4px rgb(89, 103,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 11.872, 138.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 103, 86) }
```

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

```
.background{ background-color: rgb(89, 103,  
86) }
```

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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