

Converting Colors

CIELCh(72, 89.479, 138.846)

Have a look what the booklet for
CIELCh(72, 89.479, 138.846)
contains.

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Color

CIELCh(72, 89.188, 138.942)

Conversions

Conversions Part 1

Format	Color
Hex	2ACB38
RGB	42, 203, 56
RGB Percent	16%, 80%, 22%
CMY	0.8366, 0.2025, 0.7789
CMYK	0.80, 0.00, 0.72, 0.20
HSL	125°, 66%, 48%
HSV	125°, 80%, 80%
XYZ	23.1066, 43.6590, 10.9983
YIQ	138.1030, -48.7690, -79.8490

Conversions

Conversions Part 2

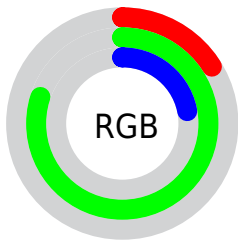
Format	Color
RYB	42, 190, 203
Decimal	2804536
CIELab	72.00, -67.25, 58.58
CIELCh	72, 89.188, 138.942
Yxy	43.6590, 0.2971, 0.5614
Android (android.graphics.Color)	4280994616 (0xFF2ACB38)
YUV	138.1030, -40.4768, -84.2823
Hunter-Lab	66.0750, -53.2092, 36.3835

Details

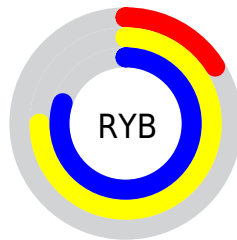
The CIELCh color **72, 89.188, 138.942** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **50, 85.256, 331.343**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 86.167, 138.935**, and **53, 79.444, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 95.226, 137.714**, and if you desaturate by 10%, it is **73, 81.181, 140.275**.

Distribution



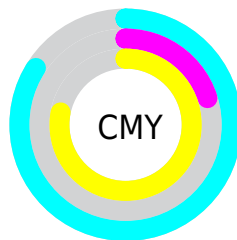
- Red (16%)
- Green (80%)
- Blue (22%)



- Red (16%)
- Yellow (75%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (72%)
- Black (20%)





- Cyan (84%)
- Magenta (20%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 89.188, 138.942 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 72, 89.188, 138.942 by changing the saturation by 10% instead.


 72, 89.188,
138.942


 72, 89.188,
138.942


 100, 89.188,
138.942


 62, 89.188,
138.942


 92, 89.188,
138.942

 52, 89.188,
138.942

 42, 89.188,
138.942

 32, 89.188,
138.942

 22, 89.188,
138.942

 12, 89.188,
138.942

 2, 89.188, 138.942

■ 0, 89.188, 138.942

■ 72, 89.188,
138.942

■ 72, 89.188,
138.942

■ 72, 95.226,
137.714

■ 73, 81.181,
140.275

■ 72, 99.101,
136.771

■ 73, 71.575,
141.595

■ 72, 99.243,
136.740

■ 74, 60.752,
142.824

■ 75, 49.073,
143.926

■ 77, 36.855,
144.890

■ 78, 24.367,
145.724

■ 80, 11.822,
146.445

■ 82, 0.615, 326.566

■ 84, 12.826,
327.521

Harmonies

Complementary

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



72, 89.188, 138.942



50, 85.256, 331.343

Rectangle

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



72, 89.188, 138.942



72, 89.188, 188.942



72, 89.188, 318.942



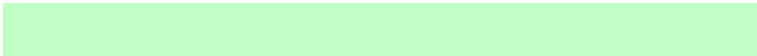
72, 89.188, 8.942

Sweetspot

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



72, 89.188, 138.943



95, 36.039, 145.338



78, 75.319, 107.858



50, 24.751, 145.031



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 89.188, 138.943



88, 116.276, 137.015



73, 59.950, 158.019



42, 7.069, 146.453



59, 84.943, 136.888



12, 27.437, 144.451

Inverse Universe

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



50, 85.256, 331.343



59, 106.981, 332.085



46, 65.433, 1.673



40, 7.083, 327.512



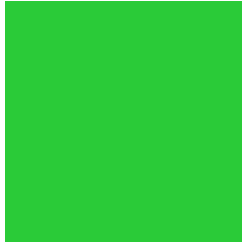
38, 77.992, 332.183



5, 26.984, 330.666

Previews

White Background



This preview shows how the CIELCh color 72, 89.188, 138.942 looks on a white background.

Color Contrast Check

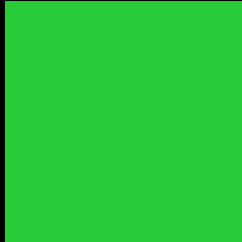
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 72, 89.188, 138.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

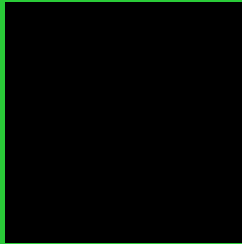
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 89.188, 138.942

Background



This preview shows how black text looks on a background with the CIELCh color 72, 89.188, 138.942.



This preview shows how white text looks on a background with the CIELCh color 72, 89.188, 138.942.

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

72, 89.109, 138.882

Protanopia

71, 63.352, 95.290

Deuteranopia

71, 55.970, 80.672



Tritanopia
72, 29.607, 213.548

Trichromacy



Original Color
72, 89.109, 138.882



Protanomaly
70, 68.320, 120.065



Deuteranomaly
69, 59.608, 115.639



Tritanomaly
71, 46.018, 164.595

Monochromacy



Original Color
72, 89.109, 138.882



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 37.854, 144.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 89.188, 138.942 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(42, 203, 56)` looks like.

```
.text, #text, p{  
    color:rgb(42, 203, 56)  
}
```

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(42, 203, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 203, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 89.188, 138.942 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(42, 203, 56) }
```

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

```
.border{ border-color:rgb(42, 203, 56) }
```

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

Here you see how a box with a 4 pixel rgb(42, 203, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 203, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 203, 56);  
box-shadow:4px 4px 4px 4px rgb(42, 203,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 89.188, 138.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 203, 56) }
```

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

```
.background{ background-color: rgb(42, 203,  
56) }
```

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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