

Converting Colors

CIELCh(56, 12.839, 301.668)

Have a look what the booklet for
CIELCh(56, 12.839, 301.668)
contains.

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Color

CIELCh(56, 12.856, 301.674)

Conversions

Conversions Part 1

Format	Color
Hex	898399
RGB	137, 131, 153
RGB Percent	54%, 51%, 60%
CMY	0.4621, 0.4856, 0.3994
CMYK	0.10, 0.14, 0.00, 0.40
HSL	256°, 10%, 56%
HSV	256°, 14%, 60%
XYZ	24.2436, 23.9124, 33.5455
YIQ	135.3020, -3.4860, 8.1140

Conversions

Conversions Part 2

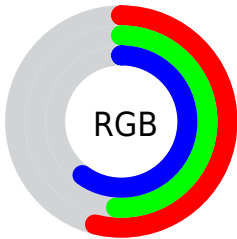
Format	Color
R_{YB}	137, 131, 153
Decimal	9012121
CIE _{Lab}	56.00, 6.75, -10.94
CIE _{LCh}	56, 12.856, 301.674
Yxy	23.9124, 0.2967, 0.2927
Android (android.graphics.Color)	4287202201 (0xFF898399)
YUV	135.3020, 8.7251, 1.4891
Hunter-Lab	48.9003, 2.9206, -6.4425

Details

The CIELCh color $56, 12.856, 301.674$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $62, 12.502, 119.933$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 12.624, 301.035$, and $36, 12.639, 301.181$ is the 20% darker color. If you saturate the color by 10%, you get $51, 22.190, 302.409$, and if you desaturate by 10%, it is $61, 3.842, 301.019$.

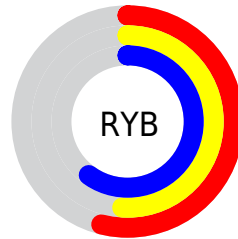
Distribution



Red (54%)

Green (51%)

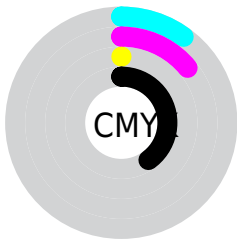
Blue (60%)



Red (54%)

Yellow (51%)

Blue (60%)

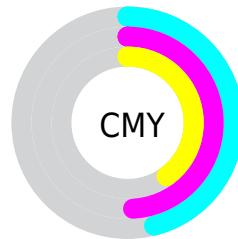


Cyan (10%)

Magenta (14%)

Yellow (0%)

Black (40%)



Cyan (46%)


Magenta (49%)

Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 12.856, 301.674 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 56, 12.856, 301.674 by changing the saturation by 10% instead.


 56, 12.856,
301.674


 56, 12.856,
301.674


 100, 12.856,
301.674


 46, 12.856,
301.674


 76, 12.856,
301.674

 36, 12.856,
301.674

 86, 12.856,
301.674

 26, 12.856,
301.674

 96, 12.856,
301.674

 16, 12.856,
301.674

 6, 12.856, 301.674

 0, 12.856, 301.674

56, 12.856,
301.674

56, 12.856,
301.674

51, 22.190,
302.409

61, 3.842, 301.019

46, 31.840,
303.236

66, 4.854, 120.469

41, 41.765,
304.148

71, 13.249,
119.974

36, 51.860,
305.122

76, 21.357,
119.549

31, 61.900,
306.108

81, 29.197,
119.182

27, 71.454,
307.013

86, 36.785,
118.866

23, 79.801,
307.695

91, 44.137,
118.595

21, 86.002,

96, 51.267,
118.362

307.973

■ 97, 51.128,
114.060

■ 19, 89.007,
308.114

Harmonies

Complementary

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



56, 12.856, 301.674



62, 12.502, 119.933

Rectangle

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



56, 12.856, 301.674



56, 12.856, 351.674



56, 12.856, 121.674



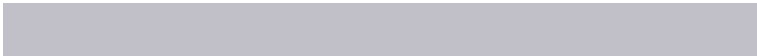
56, 12.856, 171.674

Sweetspot

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



56, 12.854, 301.672



78, 4.355, 301.001



60, 6.761, 228.412



40, 3.090, 301.045



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 12.854, 301.672



70, 18.921, 301.881



57, 14.169, 318.401



30, 5.008, 301.327



17, 83.388, 308.181



0, 5.330, 300.596

Inverse Universe

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



57, 12.530, 334.126



71, 18.376, 334.333



61, 14.051, 137.168



30, 4.909, 333.769



31, 60.476, 342.501



1, 5.223, 333.679

Previews

White Background



This preview shows how the CIELCh color 56, 12.856, 301.674 looks on a white 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

Black Background



This preview shows how the CIE LCh color 56, 12.856, 301.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

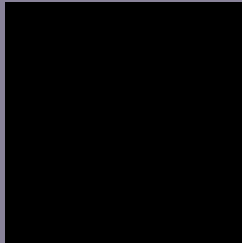
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 12.856, 301.674

Background



This preview shows how black text looks on a background with the CIELCh color 56, 12.856, 301.674.



This preview shows how white text looks on a background with the CIELCh color 56, 12.856, 301.674.

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


56, 12.856, 301.674

Protanopia

56, 12.061, 286.368

Deuteranopia

56, 12.929, 303.313



Tritanopia
56, 5.863, 302.191

Trichromacy



Original Color
56, 12.856, 301.674

Protanomaly
56, 12.629, 293.346

Deuteranomaly
56, 12.929, 303.313

Tritanomaly
56, 8.759, 301.168

Monochromacy



Original Color
56, 12.856, 301.674

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 4.657, 300.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 12.856, 301.674 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(137, 131, 153)` looks like.

```
.text, #text, p{  
    color:rgb(137, 131, 153)  
}
```

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(137, 131, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 131, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 12.856, 301.674 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(137, 131, 153) }
```

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

```
.border{ border-color:rgb(137, 131, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 131, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 131, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 131, 153);  
box-shadow:4px 4px 4px 4px rgb(137, 131,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 12.856, 301.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 131, 153) }
```

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

```
.background{ background-color: rgb(137,  
131, 153) }
```

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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