

Converting Colors

CIELCh(56, 11.781, 239.985)

Have a look what the booklet for
CIELCh(56, 11.781, 239.985)
contains.

CIELCh(56, 12.035, 240.735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 12.035, 240.735)

Conversions

Conversions Part 1

Format	Color
Hex	708A98
RGB	112, 138, 152
RGB Percent	44%, 54%, 60%
CMY	0.5605, 0.4586, 0.4037
CMYK	0.26, 0.09, 0.00, 0.40
HSL	201°, 16%, 52%
HSV	201°, 26%, 60%
XYZ	21.4598, 23.9124, 33.2171
YIQ	131.8220, -19.9900, -1.1580

Conversions

Conversions Part 2

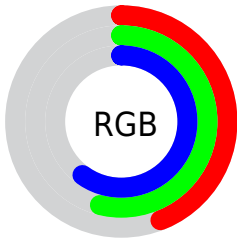
Format	Color
R_{YB}	112, 128, 152
Decimal	7375512
CIE _{Lab}	56.00, -5.88, -10.50
CIE _{LCh}	56, 12.035, 240.735
Y _{xy}	23.9124, 0.2731, 0.3043
Android (android.graphics.Color)	4285565592 (0xFF708A98)
YUV	131.8220, 9.9478, -17.3839
Hunter-Lab	48.9003, -7.2412, -6.0444

Details

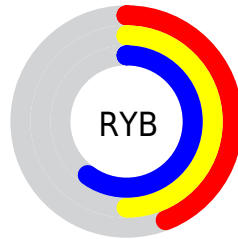
The CIELCh color $56, 12.035, 240.735$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $55, 13.765, 55.625$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 11.869, 242.002$, and $36, 11.978, 241.209$ is the 20% darker color. If you saturate the color by 10%, you get $54, 16.213, 242.339$, and if you desaturate by 10%, it is $59, 7.614, 239.438$.

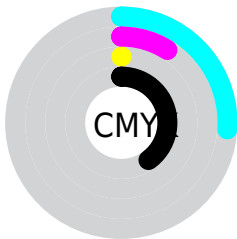
Distribution



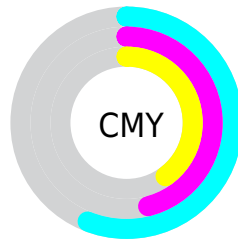
- Red (44%)
- Green (54%)
- Blue (60%)



- Red (44%)
- Yellow (50%)
- Blue (60%)



- Cyan (26%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)





- Cyan (56%)
- Magenta (46%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 12.035, 240.735 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, 12.035, 240.735 by changing the saturation by 10% instead.


 56, 12.035,
240.735


 56, 12.035,
240.735


 100, 12.035,
240.735


 46, 12.035,
240.735


 76, 12.035,
240.735

 36, 12.035,
240.735

 86, 12.035,
240.735

 26, 12.035,
240.735

 96, 12.035,
240.735

 16, 12.035,
240.735

 6, 12.035, 240.735

 0, 12.035, 240.735

■ 56, 12.035,
240.735

■ 56, 12.035,
240.735

■ 54, 16.213,
242.339

■ 59, 7.614, 239.438

■ 51, 20.107,
244.330

■ 61, 2.997, 238.454

■ 64, 1.775, 57.240

■ 49, 23.682,
246.779

■ 67, 6.665, 56.693

■ 47, 26.922,
249.766

■ 69, 11.641, 56.136

■ 72, 16.677, 55.665

■ 44, 29.840,
253.353

■ 75, 21.750, 55.270

■ 42, 32.497,
257.561

■ 78, 26.842, 54.938

■ 80, 31.940, 54.657

■ 41, 35.008,
262.286

■ 40, 35.969,

263.984

Harmonies

Complementary

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



56, 12.035, 240.735



55, 13.765, 55.625

Rectangle

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



56, 12.035, 240.735



56, 12.035, 290.735



56, 12.035, 60.735



56, 12.035, 110.735

Sweetspot

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



56, 12.035, 240.730



78, 4.718, 238.606



59, 21.696, 153.607



40, 3.336, 238.734



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, 12.035, 240.730



70, 17.952, 241.710



51, 19.552, 285.753



31, 2.687, 238.702



37, 33.755, 263.582



2, 2.954, 239.121

Inverse Universe

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



52, 21.716, 338.320



64, 32.873, 338.855



60, 18.866, 99.438



30, 4.645, 336.987



30, 57.673, 348.122



1, 4.942, 336.853

Previews

White Background



This preview shows how the CIELCh color 56, 12.035, 240.735 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 CIELCh color 56, 12.035, 240.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

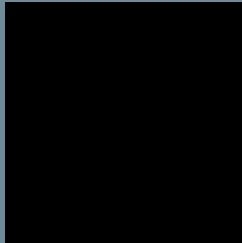
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

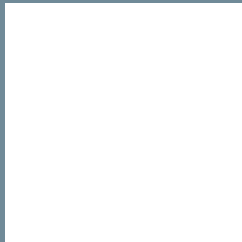
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 12.035, 240.735

Background



This preview shows how black text looks on a background with the CIELCh color 56, 12.035, 240.735.



This preview shows how white text looks on a background with the CIELCh color 56, 12.035, 240.735.

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, 12.035, 240.735

Protanopia
56, 9.171, 288.932

Deuteranopia
56, 13.489, 302.853



Tritanopia
56, 11.394, 235.992

Trichromacy



Original Color
56, 12.035, 240.735

Protanomaly
56, 9.257, 267.735

Deuteranomaly
56, 10.991, 281.839

Tritanomaly
56, 11.705, 238.426

Monochromacy



Original Color
56, 12.035, 240.735

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 4.428, 239.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 12.035, 240.735 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(112, 138, 152)` looks like.

```
.text, #text, p{  
    color:rgb(112, 138, 152)  
}
```

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(112, 138, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 138, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 12.035, 240.735 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(112, 138, 152) }
```

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

```
.border{ border-color:rgb(112, 138, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 138, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 138, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 138, 152);  
box-shadow:4px 4px 4px 4px rgb(112, 138,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 12.035, 240.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 138, 152) }
```

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

```
.background{ background-color: rgb(112,  
138, 152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor