

Converting Colors

CIELCh(56, 12.999, 237.021)

Have a look what the booklet for
CIELCh(56, 12.999, 237.021)
contains.

CIELCh(56, 13.033, 236.772)	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, 13.033, 236.772)

Conversions

Conversions Part 1

Format	Color
Hex	6D8B99
RGB	109, 139, 153
RGB Percent	43%, 55%, 60%
CMY	0.5736, 0.4559, 0.4011
CMYK	0.29, 0.09, 0.00, 0.40
HSL	199°, 18%, 51%
HSV	199°, 29%, 60%
XYZ	21.1948, 23.9124, 33.5164
YIQ	131.6260, -22.3740, -2.0060

Conversions

Conversions Part 2

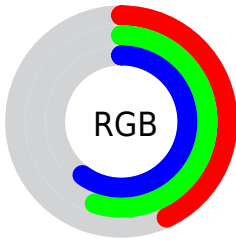
Format	Color
R _Y B	109, 127, 153
Decimal	7179161
CIE Lab	56.00, -7.14, -10.90
CIE LCh	56, 13.033, 236.772
Yxy	23.9124, 0.2696, 0.3041
Android (android.graphics.Color)	4285369241 (0xFF6D8B99)
YUV	131.6260, 10.5374, -19.8430
Hunter-Lab	48.9003, -8.2086, -6.4073

Details

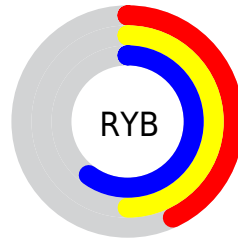
The CIELCh color $56, 13.033, 236.772$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $54, 15.319, 51.873$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 12.845, 237.962$, and $36, 12.941, 237.210$ is the 20% darker color. If you saturate the color by 10%, you get $54, 17.061, 238.310$, and if you desaturate by 10%, it is $58, 8.717, 235.544$.

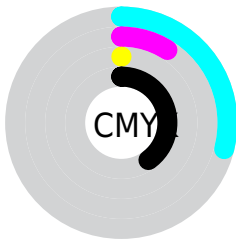
Distribution



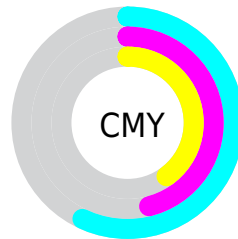
- Red (43%)
- Green (55%)
- Blue (60%)



- Red (43%)
- Yellow (50%)
- Blue (60%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)





- Cyan (57%)
- Magenta (46%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 13.033, 236.772 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, 13.033, 236.772 by changing the saturation by 10% instead.


 56, 13.033,
236.772


 56, 13.033,
236.772


 100, 13.033,
236.772


 46, 13.033,
236.772


 76, 13.033,
236.772

 36, 13.033,
236.772

 86, 13.033,
236.772

 26, 13.033,
236.772

 96, 13.033,
236.772

 16, 13.033,
236.772

 6, 13.033, 236.772

 0, 13.033, 236.772

■ 56, 13.033,
236.772

■ 56, 13.033,
236.772

■ 54, 17.061,
238.310

■ 58, 8.717, 235.544

■ 51, 20.754,
240.241

■ 61, 4.166, 234.605

■ 63, 0.573, 53.007

■ 49, 24.073,
242.641

■ 66, 5.456, 53.008

■ 47, 26.999,
245.593

■ 69, 10.448, 52.534

■ 71, 15.517, 52.136

■ 45, 29.549,
249.165

■ 74, 20.638, 51.811

■ 43, 31.787,
253.385

■ 77, 25.791, 51.545

■ 79, 30.958, 51.328

■ 42, 33.878,
258.048

■ 42, 34.140,

258.587

Harmonies

Complementary

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



56, 13.033, 236.772



54, 15.319, 51.873

Rectangle

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



56, 13.033, 236.772



56, 13.033, 286.772



56, 13.033, 56.772



56, 13.033, 106.772

Sweetspot

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



56, 13.033, 236.767



77, 5.279, 234.634



59, 24.131, 152.697



40, 3.649, 234.744



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, 13.033, 236.767



70, 19.266, 237.793



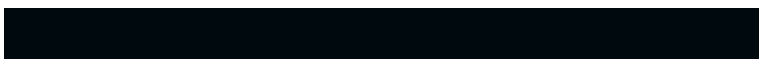
50, 21.150, 285.255



31, 2.677, 234.638



38, 31.956, 258.166



2, 2.945, 235.238

Inverse Universe

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



51, 24.390, 337.092



63, 36.688, 337.655



60, 20.400, 98.157



30, 4.752, 335.616



30, 58.750, 345.714



1, 5.056, 335.502

Previews

White Background



This preview shows how the CIELCh color 56, 13.033, 236.772 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, 13.033, 236.772 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

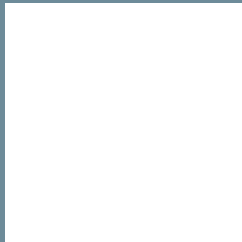
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 13.033, 236.772

Background



This preview shows how black text looks on a background with the CIELCh color 56, 13.033, 236.772.



This preview shows how white text looks on a background with the CIELCh color 56, 13.033, 236.772.

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, 13.033, 236.772

Protanopia

56, 9.171, 288.932

Deuteranopia

56, 13.420, 301.285



Tritanopia
56, 12.493, 228.968

Trichromacy



Original Color
56, 13.033, 236.772

Protanomaly
56, 9.397, 265.692

Deuteranomaly
56, 11.673, 278.890

Tritanomaly
56, 12.739, 231.368

Monochromacy



Original Color
56, 13.033, 236.772

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 5.018, 234.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 13.033, 236.772 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(109, 139, 153)` looks like.

```
.text, #text, p{  
    color:rgb(109, 139, 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(109, 139, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 139, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 13.033, 236.772 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(109, 139, 153) }
```

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

```
.border{ border-color:rgb(109, 139, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 139, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 139, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 139, 153);  
box-shadow:4px 4px 4px 4px rgb(109, 139,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 13.033, 236.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 139, 153) }
```

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

```
.background{ background-color: rgb(109,  
139, 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](#).

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