

Converting Colors

CIELCh(56, 38.018, 156.264)

Have a look what the booklet for
CIELCh(56, 38.018, 156.264)
contains.

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Color

CIELCh(56, 37.963, 155.943)

Conversions

Conversions Part 1

Format	Color
Hex	46956A
RGB	70, 149, 106
RGB Percent	27%, 58%, 42%
CMY	0.7247, 0.4149, 0.5836
CMYK	0.53, 0.00, 0.29, 0.41
HSL	147°, 36%, 43%
HSV	147°, 53%, 59%
XYZ	15.9309, 23.9124, 17.4626
YIQ	120.4770, -33.2810, -30.1210

Conversions

Conversions Part 2

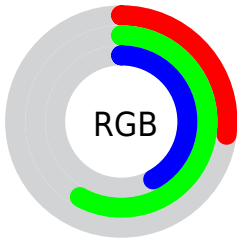
Format	Color
R_{YB}	70, 124, 149
Decimal	4625770
CIE _{Lab}	56.00, -34.67, 15.48
CIE _{LCh}	56, 37.963, 155.943
Yxy	23.9124, 0.2780, 0.4173
Android (android.graphics.Color)	4282815850 (0xFF46956A)
YUV	120.4770, -7.1372, -44.2683
Hunter-Lab	48.9003, -27.4232, 13.0574

Details

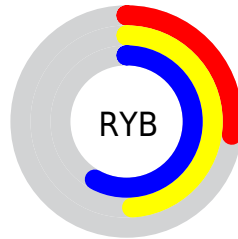
The CIELCh color $56, 37.963, 155.943$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $41, 39.515, 346.572$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 38.295, 155.570$, and $36, 37.952, 155.848$ is the 20% darker color. If you saturate the color by 10%, you get $55, 44.176, 154.467$, and if you desaturate by 10%, it is $57, 31.280, 157.243$.

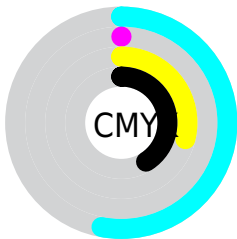
Distribution



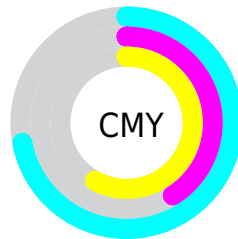
- Red (27%)
- Green (58%)
- Blue (42%)



- Red (27%)
- Yellow (49%)
- Blue (58%)



- Cyan (53%)
- Magenta (0%)
- Yellow (29%)
- Black (41%)





- Cyan (72%)
- Magenta (41%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 37.963, 155.943 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, 37.963, 155.943 by changing the saturation by 10% instead.


 56, 37.963,
155.943


 56, 37.963,
155.943


 100, 37.963,
155.943


 46, 37.963,
155.943


 76, 37.963,
155.943

 36, 37.963,
155.943

 86, 37.963,
155.943

 26, 37.963,
155.943

 96, 37.963,
155.943

 16, 37.963,
155.943

 6, 37.963, 155.943

 0, 37.963, 155.943

■ 56, 37.963,
155.943

■ 56, 37.963,
155.943

■ 55, 44.176,
154.467

■ 57, 31.280,
157.243

■ 55, 49.810,
152.798

■ 58, 24.244,
158.392

■ 54, 54.793,
150.929

■ 59, 16.977,
159.411

■ 54, 59.103,
148.871

■ 60, 9.588, 160.328

■ 54, 61.877,
147.431

■ 61, 2.173, 161.249

■ 63, 5.194, 341.776

■ 64, 12.455,
342.477

■ 66, 19.567,
343.097

■ 68, 26.504,
343.665

Harmonies

Complementary

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



56, 37.963, 155.943



41, 39.515, 346.572

Rectangle

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



56, 37.963, 155.943



56, 37.963, 205.943



56, 37.963, 335.943



56, 37.963, 25.943

Sweetspot

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



56, 37.964, 155.943



76, 14.668, 160.028



58, 45.564, 124.878



39, 9.873, 159.861



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



56, 37.964, 155.943



70, 55.263, 154.093



57, 25.698, 191.964



31, 4.151, 160.655



50, 58.145, 147.608



2, 3.631, 161.334

Inverse Universe

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



41, 39.515, 346.572



49, 57.160, 348.465



40, 36.156, 21.881



29, 4.193, 341.999



29, 54.324, 356.860



1, 3.631, 341.325

Previews

White Background



This preview shows how the CIELCh color 56, 37.963, 155.943 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, 37.963, 155.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

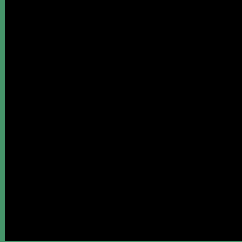
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 37.963, 155.943

Background



This preview shows how black text looks on a background with the CIELCh color 56, 37.963, 155.943.



This preview shows how white text looks on a background with the CIELCh color 56, 37.963, 155.943.

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, 37.963, 155.943

Protanopia
56, 19.809, 95.141

Deuteranopia
56, 14.872, 60.615



Tritanopia
56, 20.153, 217.868

Trichromacy



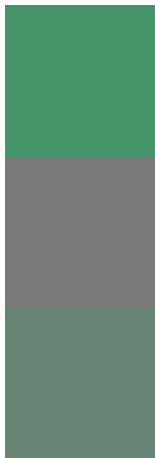
Original Color
56, 37.963, 155.943

Protanomaly
55, 22.913, 131.145

Deuteranomaly
55, 16.177, 126.195

Tritanomaly
56, 23.209, 185.730

Monochromacy



Original Color
56, 37.963, 155.943

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 14.129, 160.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 37.963, 155.943 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(70, 149, 106)` looks like.

```
.text, #text, p{  
    color:rgb(70, 149, 106)  
}
```

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(70, 149, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 149, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 37.963, 155.943 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(70, 149, 106) }
```

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

```
.border{ border-color:rgb(70, 149, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 149, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 149, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 149, 106);  
box-shadow:4px 4px 4px 4px rgb(70, 149,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 37.963, 155.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 149, 106) }
```

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

```
.background{ background-color: rgb(70, 149,  
106) }
```

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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