

Converting Colors

CIELCh(63, 56.453, 142.275)

Have a look what the booklet for
CIELCh(63, 56.453, 142.275)
contains.

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Color

CIELCh(63, 56.347, 142.166)

Conversions

Conversions Part 1

Format	Color
Hex	51AB58
RGB	81, 171, 88
RGB Percent	32%, 67%, 35%
CMY	0.6823, 0.3293, 0.6548
CMYK	0.53, 0.00, 0.49, 0.33
HSL	125°, 36%, 49%
HSV	125°, 53%, 67%
XYZ	19.7228, 31.5869, 14.2932
YIQ	134.6280, -26.9970, -44.8930

Conversions

Conversions Part 2

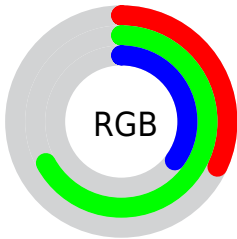
Format	Color
RYB	81, 165, 171
Decimal	5352280
CIELab	63.00, -44.50, 34.56
CIElCh	63, 56.347, 142.166
Yxy	31.5869, 0.3006, 0.4815
Android (android.graphics.Color)	4283542360 (0xFF51AB58)
YUV	134.6280, -22.9876, -47.0318
Hunter-Lab	56.2022, -35.7137, 24.2631

Details

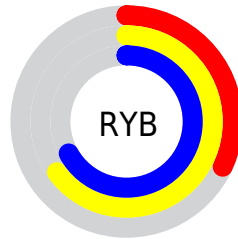
The CIELCh color $63, 56.347, 142.166$ is a dark color, and the websafe version is hex 339933 . A complement of this color would be $49, 55.921, 329.530$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $83, 56.404, 141.999$, and $43, 56.598, 142.025$ is the 20% darker color. If you saturate the color by 10%, you get $62, 65.576, 140.941$, and if you desaturate by 10%, it is $64, 46.287, 143.280$.

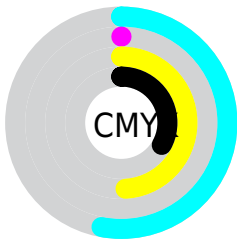
Distribution



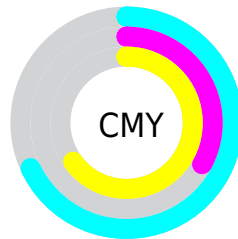
- Red (32%)
- Green (67%)
- Blue (35%)



- Red (32%)
- Yellow (65%)
- Blue (67%)



- Cyan (53%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)





- Cyan (68%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 56.347, 142.166 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 63, 56.347, 142.166 by changing the saturation by 10% instead.


 63, 56.347,
142.166


 63, 56.347,
142.166


 100, 56.347,
142.166


 53, 56.347,
142.166


 83, 56.347,
142.166

 43, 56.347,
142.166

 93, 56.347,
142.166

 33, 56.347,
142.166

 23, 56.347,
142.166

 13, 56.347,
142.166

 3, 56.347, 142.166

 0, 56.347, 142.166

■ 63, 56.347,
142.166

■ 63, 56.347,
142.166

■ 62, 65.576,
140.941

■ 64, 46.287,
143.280

■ 62, 73.647,
139.653

■ 65, 35.684,
144.263

■ 61, 80.215,
138.393

■ 66, 24.783,
145.117

■ 61, 84.967,
137.286

■ 68, 13.785,
145.855

■ 61, 87.288,
136.718

■ 70, 2.843, 146.547

■ 71, 7.931, 326.962

■ 73, 18.459,
327.435

■ 75, 28.693,
327.831

■ 78, 38.604,
328.169

Harmonies

Complementary

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



63, 56.347, 142.166



49, 55.921, 329.530

Rectangle

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



63, 56.347, 142.166



63, 56.347, 192.166



63, 56.347, 322.166



63, 56.347, 12.166

Sweetspot

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



63, 56.348, 142.166



85, 21.622, 145.597



68, 47.457, 108.440



45, 14.726, 145.451



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 56.348, 142.166



79, 81.184, 140.752



64, 38.285, 161.734



36, 6.238, 146.079



54, 79.239, 136.821



6, 13.266, 146.194

Inverse Universe

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



49, 55.921, 329.530



58, 79.731, 330.100



47, 41.540, 353.620



34, 6.249, 327.106



35, 73.417, 331.534



2, 12.827, 327.635

Previews

White Background



This preview shows how the CIELCh color 63, 56.347, 142.166 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 63, 56.347, 142.166 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 63, 56.347, 142.166

Background



This preview shows how black text looks on a background with the CIELCh color 63, 56.347, 142.166.



This preview shows how white text looks on a background with the CIELCh color 63, 56.347, 142.166.

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
63, 56.347, 142.166

Protanopia
63, 39.253, 96.016

Deuteranopia
63, 32.857, 76.094



Tritanopia
63, 20.524, 218.823

Trichromacy



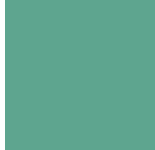
Original Color
63, 56.347, 142.166



Protanomaly
62, 41.694, 119.448



Deuteranomaly
62, 34.090, 112.211



Tritanomaly
63, 28.032, 170.860

Monochromacy



Original Color
63, 56.347, 142.166



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 21.504, 145.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 56.347, 142.166 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(81, 171, 88)` looks like.

```
.text, #text, p{  
    color:rgb(81, 171, 88)  
}
```

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(81, 171, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 171, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 56.347, 142.166 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(81, 171, 88) }
```

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

```
.border{ border-color:rgb(81, 171, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 171, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 171, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 171, 88);  
box-shadow:4px 4px 4px 4px rgb(81, 171,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 56.347, 142.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 171, 88) }
```

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

```
.background{ background-color: rgb(81, 171,  
88) }
```

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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