

Converting Colors

CIELCh(63, 40.009, 156.319)

Have a look what the booklet for
CIELCh(63, 40.009, 156.319)
contains.

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Color

CIELCh(63, 39.964, 156.395)

Conversions

Conversions Part 1

Format	Color
Hex	54A97B
RGB	84, 169, 123
RGB Percent	33%, 66%, 48%
CMY	0.6715, 0.3382, 0.5185
CMYK	0.50, 0.00, 0.27, 0.34
HSL	148°, 34%, 50%
HSV	148°, 50%, 66%
XYZ	21.3407, 31.5869, 23.6390
YIQ	138.3410, -35.8940, -32.3260

Conversions

Conversions Part 2

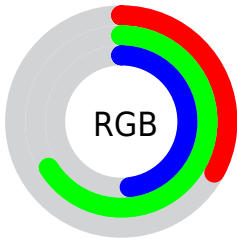
Format	Color
RYB	84, 142, 169
Decimal	5548411
CIELab	63.00, -36.62, 16.00
CIElCh	63, 39.964, 156.395
Yxy	31.5869, 0.2787, 0.4125
Android (android.graphics.Color)	4283738491 (0xFF54A97B)
YUV	138.3410, -7.5631, -47.6571
Hunter-Lab	56.2022, -30.5753, 14.4039

Details

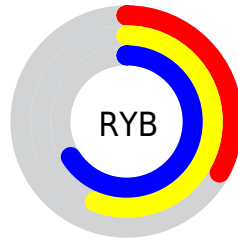
The CIELCh color **63, 39.964, 156.395** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **47, 41.636, 346.497**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 39.874, 156.474**, and **43, 39.949, 156.481** is the 20% darker color. If you saturate the color by 10%, you get **62, 46.924, 154.940**, and if you desaturate by 10%, it is **64, 32.505, 157.675**.

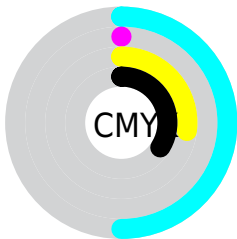
Distribution



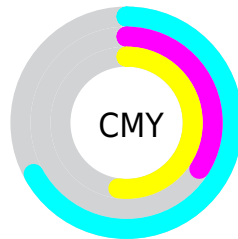
- Red (33%)
- Green (66%)
- Blue (48%)



- Red (33%)
- Yellow (56%)
- Blue (66%)



- Cyan (50%)
- Magenta (0%)
- Yellow (27%)
- Black (34%)





- Cyan (67%)
- Magenta (34%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 39.964, 156.395 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, 39.964, 156.395 by changing the saturation by 10% instead.


 63, 39.964,
156.395


 63, 39.964,
156.395


 100, 39.964,
156.395


 53, 39.964,
156.395


 83, 39.964,
156.395

 43, 39.964,
156.395

 93, 39.964,
156.395

 33, 39.964,
156.395

 23, 39.964,
156.395

 13, 39.964,
156.395

 3, 39.964, 156.395

 0, 39.964, 156.395

63, 39.964,
156.395

63, 39.964,
156.395

62, 46.924,
154.940

64, 32.505,
157.675

62, 53.260,
153.292

65, 24.682,
158.806

61, 58.882,
151.440

66, 16.628,
159.810

61, 63.754,
149.390

68, 8.465, 160.720

61, 67.868,
147.343

69, 0.292, 162.658

71, 7.809, 342.156

72, 15.779,
342.838

74, 23.574,
343.451

■ 76, 31.168,
344.014

Harmonies

Complementary

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



63, 39.964, 156.395



47, 41.636, 346.497

Rectangle

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



63, 39.964, 156.395



63, 39.964, 206.395



63, 39.964, 336.395



63, 39.964, 26.395

Sweetspot

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



63, 39.965, 156.395



85, 15.165, 160.283



65, 48.071, 124.955



44, 10.329, 160.099



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 39.965, 156.395



79, 57.619, 154.829



64, 27.318, 192.087



35, 4.609, 160.815



54, 61.249, 147.610



5, 8.811, 158.407

Inverse Universe

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



47, 41.636, 346.497



57, 59.862, 348.087



46, 37.860, 21.433



33, 4.657, 342.194



31, 57.112, 357.434



2, 7.993, 345.476

Previews

White Background



This preview shows how the CIELCh color 63, 39.964, 156.395 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 CIE LCh color 63, 39.964, 156.395 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, 39.964, 156.395

Background



This preview shows how black text looks on a background with the CIELCh color 63, 39.964, 156.395.



This preview shows how white text looks on a background with the CIELCh color 63, 39.964, 156.395.

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, 39.964, 156.395

Protanopia
63, 20.541, 94.862

Deuteranopia
63, 15.816, 59.294



Tritanopia
63, 21.518, 217.723

Trichromacy



Original Color
63, 39.964, 156.395



Protanomaly
62, 23.593, 131.055



Deuteranomaly
62, 16.345, 125.682



Tritanomaly
63, 24.463, 186.657

Monochromacy



Original Color
63, 39.964, 156.395



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 15.430, 159.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 39.964, 156.395 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(84, 169, 123)` looks like.

```
.text, #text, p{  
    color:rgb(84, 169, 123)  
}
```

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(84, 169, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 169, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 39.964, 156.395 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(84, 169, 123) }
```

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

```
.border{ border-color:rgb(84, 169, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 169, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 169, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 169, 123);  
box-shadow:4px 4px 4px 4px rgb(84, 169,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 39.964, 156.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 169, 123) }
```

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

```
.background{ background-color: rgb(84, 169,  
123) }
```

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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