

Converting Colors

CIELCh(63, 41.357, 162.554)

Have a look what the booklet for
CIELCh(63, 41.357, 162.554)
contains.

CIELCh(63, 41.424, 162.493)	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(63, 41.424, 162.493)

Conversions

Conversions Part 1

Format	Color
Hex	44AA81
RGB	68, 170, 129
RGB Percent	27%, 67%, 51%
CMY	0.7331, 0.3331, 0.4939
CMYK	0.60, 0.00, 0.24, 0.33
HSL	156°, 43%, 47%
HSV	156°, 60%, 67%
XYZ	20.7386, 31.5869, 25.7905
YIQ	134.8280, -47.6310, -34.3750

Conversions

Conversions Part 2

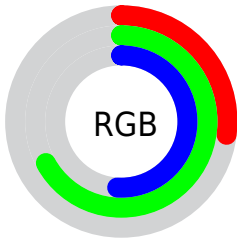
Format	Color
RYB	68, 132, 170
Decimal	4500097
CIELab	63.00, -39.51, 12.46
CIElCh	63, 41.424, 162.493
Yxy	31.5869, 0.2655, 0.4044
Android (android.graphics.Color)	4282690177 (0xFF44AA81)
YUV	134.8280, -2.8732, -58.6082
Hunter-Lab	56.2022, -32.4875, 12.1341

Details

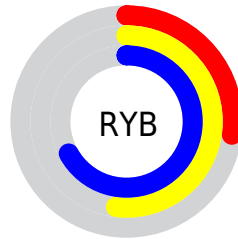
The CIELCh color **63, 41.424, 162.493** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **44, 45.969, 357.214**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 41.479, 162.571**, and **43, 39.919, 161.553** is the 20% darker color. If you saturate the color by 10%, you get **62, 46.789, 160.852**, and if you desaturate by 10%, it is **64, 35.435, 163.951**.

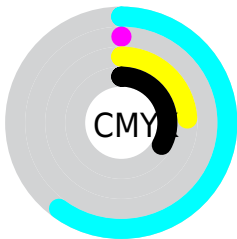
Distribution



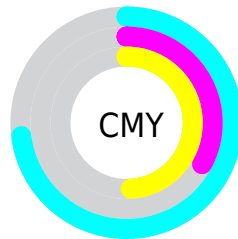
- Red (27%)
- Green (67%)
- Blue (51%)



- Red (27%)
- Yellow (52%)
- Blue (67%)



- Cyan (60%)
- Magenta (0%)
- Yellow (24%)
- Black (33%)





- Cyan (73%)
- Magenta (33%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 41.424, 162.493 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, 41.424, 162.493 by changing the saturation by 10% instead.


 63, 41.424,
162.493


 63, 41.424,
162.493


 100, 41.424,
162.493


 53, 41.424,
162.493


 83, 41.424,
162.493

 43, 41.424,
162.493

 93, 41.424,
162.493

 33, 41.424,
162.493

 23, 41.424,
162.493

 13, 41.424,
162.493

 3, 41.424, 162.493

 0, 41.424, 162.493

■ 63, 41.424,
162.493

■ 63, 41.424,
162.493

■ 62, 46.789,
160.852

■ 64, 35.435,
163.951

■ 62, 51.461,
159.013

■ 65, 28.921,
165.252

■ 62, 55.428,
156.967

■ 66, 22.002,
166.421

■ 61, 58.852,
154.807

■ 67, 14.800,
167.481

■ 61, 58.860,
154.802

■ 68, 7.426, 168.465

■ 70, 0.023, 332.367

■ 71, 7.464, 350.052

■ 73, 14.838,
350.837

■ 75, 22.096,
351.556

Harmonies

Complementary

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



63, 41.424, 162.493



44, 45.969, 357.214

Rectangle

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



63, 41.424, 162.493



63, 41.424, 212.493



63, 41.424, 342.493



63, 41.424, 32.493

Sweetspot

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



63, 41.425, 162.492



85, 16.573, 167.647



64, 58.830, 129.265



45, 11.586, 167.359



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, 41.425, 162.492



79, 59.044, 160.263



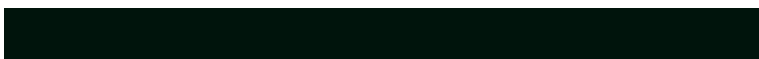
61, 27.843, 207.119



35, 4.177, 168.532



54, 52.842, 155.087



5, 8.062, 164.773

Inverse Universe

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



44, 45.969, 357.214



52, 65.687, 0.571



45, 44.527, 32.122



33, 4.254, 350.063



31, 56.393, 10.470



2, 7.397, 352.848

Previews

White Background



This preview shows how the CIELCh color 63, 41.424, 162.493 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, 41.424, 162.493 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, 41.424, 162.493

Background



This preview shows how black text looks on a background with the CIELCh color 63, 41.424, 162.493.



This preview shows how white text looks on a background with the CIELCh color 63, 41.424, 162.493.

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, 41.424, 162.493

Protanopia
63, 17.747, 94.627

Deuteranopia
63, 12.645, 51.988



Tritanopia
63, 25.219, 214.402

Trichromacy



Original Color
63, 41.424, 162.493



Protanomaly
62, 23.118, 140.110



Deuteranomaly
62, 15.347, 141.300



Tritanomaly
63, 28.259, 190.110

Monochromacy



Original Color
63, 41.424, 162.493



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 16.514, 166.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 41.424, 162.493 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(68, 170, 129)` looks like.

```
.text, #text, p{  
    color:rgb(68, 170, 129)  
}
```

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(68, 170, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 170, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 41.424, 162.493 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(68, 170, 129) }
```

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

```
.border{ border-color:rgb(68, 170, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 170, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 170, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 170, 129);  
box-shadow:4px 4px 4px 4px rgb(68, 170,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 41.424, 162.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 170, 129) }
```

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

```
.background{ background-color: rgb(68, 170,  
129) }
```

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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