

Converting Colors

CIELCh(63, 46.543, 127.893)

Have a look what the booklet for
CIELCh(63, 46.543, 127.893)
contains.

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Color

CIELCh(63, 46.626, 128.168)

Conversions

Conversions Part 1

Format	Color
Hex	7AA555
RGB	122, 165, 85
RGB Percent	48%, 65%, 33%
CMY	0.5226, 0.3540, 0.6676
CMYK	0.26, 0.00, 0.49, 0.35
HSL	92°, 32%, 49%
HSV	92°, 49%, 65%
XYZ	23.0279, 31.5869, 13.4272
YIQ	143.0230, 0.0520, -33.9960

Conversions

Conversions Part 2

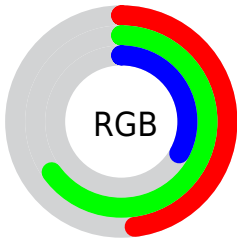
Format	Color
RYB	85, 165, 128
Decimal	8037717
CIELab	63.00, -28.81, 36.66
CIElCh	63, 46.626, 128.168
Yxy	31.5869, 0.3384, 0.4642
Android (android.graphics.Color)	4286227797 (0xFF7AA555)
YUV	143.0230, -28.6053, -18.4372
Hunter-Lab	56.2022, -25.2166, 25.1766

Details

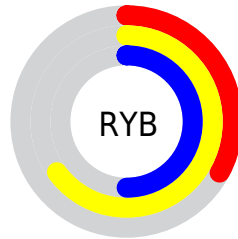
The CIELCh color $63, 46.626, 128.168$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $44, 49.679, 312.657$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 46.632, 128.117$, and $43, 46.890, 128.323$ is the 20% darker color. If you saturate the color by 10%, you get $62, 55.395, 127.803$, and if you desaturate by 10%, it is $64, 37.356, 128.616$.

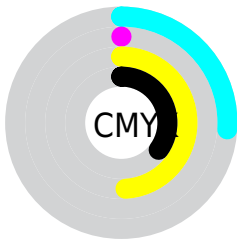
Distribution



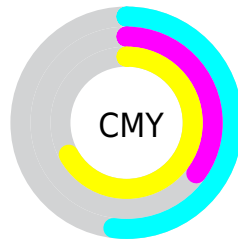
- Red (48%)
- Green (65%)
- Blue (33%)



- Red (33%)
- Yellow (65%)
- Blue (50%)



- Cyan (26%)
- Magenta (0%)
- Yellow (49%)
- Black (35%)




- Cyan (52%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 46.626, 128.168 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, 46.626, 128.168 by changing the saturation by 10% instead.


 63, 46.626,
128.168


 63, 46.626,
128.168


 100, 46.626,
128.168


 53, 46.626,
128.168


 83, 46.626,
128.168

 43, 46.626,
128.168

 93, 46.626,
128.168

 33, 46.626,
128.168

 23, 46.626,
128.168

 13, 46.626,
128.168

 3, 46.626, 128.168

 0, 46.626, 128.168

■ 63, 46.626,
128.168

■ 63, 46.626,
128.168

■ 62, 55.395,
127.803

■ 64, 37.356,
128.616

■ 62, 63.368,
127.599

■ 65, 27.790,
129.093

■ 61, 70.168,
127.666

■ 66, 18.076,
129.567

■ 61, 75.395,
128.127

■ 67, 8.317, 130.024

■ 60, 79.006,
128.979

■ 68, 1.416, 310.350

■ 60, 79.495,
129.094

■ 69, 11.070,
310.802

■ 70, 20.610,
311.153

■ 72, 30.008,
311.464

■ 73, 39.248,
311.741

Harmonies

Complementary

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



63, 46.626, 128.168



44, 49.679, 312.657

Rectangle

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



63, 46.626, 128.168



63, 46.626, 178.168



63, 46.626, 308.168



63, 46.626, 358.168

Sweetspot

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



63, 46.627, 128.169



84, 18.095, 129.719



56, 29.981, 72.741



44, 12.326, 129.626



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 46.627, 128.169



79, 67.881, 127.788



61, 52.296, 141.455



34, 5.462, 129.992



54, 72.393, 128.924



4, 8.596, 131.852

Inverse Universe

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



44, 49.679, 312.657



51, 73.400, 313.115



48, 52.036, 327.917



32, 5.529, 310.752



23, 81.271, 313.001



1, 8.414, 308.610

Previews

White Background



This preview shows how the CIELCh color 63, 46.626, 128.168 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, 46.626, 128.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

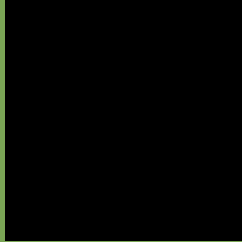
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 46.626, 128.168

Background



This preview shows how black text looks on a background with the CIELCh color 63, 46.626, 128.168.



This preview shows how white text looks on a background with the CIELCh color 63, 46.626, 128.168.

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](#).

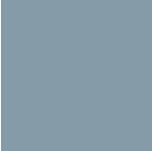
Dichromacy



Original Color
63, 46.626, 128.168

Protanopia
63, 39.755, 96.072

Deuteranopia
63, 35.750, 76.637



Tritanopia
63, 10.290, 244.144

Trichromacy



Original Color
63, 46.626, 128.168

Protanomaly
63, 40.554, 109.441

Deuteranomaly
62, 35.312, 99.066

Tritanomaly
63, 16.294, 152.039

Monochromacy



Original Color
63, 46.626, 128.168

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 17.494, 130.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 46.626, 128.168 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(122, 165, 85)` looks like.

```
.text, #text, p{  
    color:rgb(122, 165, 85)  
}
```

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(122, 165, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 165, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 46.626, 128.168 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(122, 165, 85) }
```

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

```
.border{ border-color:rgb(122, 165, 85) }
```

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

Here you see how a box with a 4 pixel rgb(122, 165, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 165, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 165, 85);  
box-shadow:4px 4px 4px 4px rgb(122, 165,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 46.626, 128.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 165, 85) }
```

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

```
.background{ background-color: rgb(122,  
165, 85) }
```

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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