

Converting Colors

CIELCh(63, 28.763, 128.604)

Have a look what the booklet for
CIELCh(63, 28.763, 128.604)
contains.

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Color

CIELCh(63, 28.378, 128.441)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 87A070 |
| RGB | 135, 160, 112 |
| RGB Percent | 53%, 63%, 44% |
| CMY | 0.4695, 0.3714, 0.5598 |
| CMYK | 0.16, 0.00, 0.30, 0.37 |
| HSL | 91°, 20%, 53% |
| HSV | 91°, 30%, 63% |
| XYZ | 25.5935, 31.5869, 20.1537 |
| YIQ | 147.0530, 0.5080, -20.2280 |

Conversions

Conversions Part 2

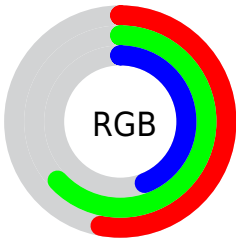
| Format | Color |
|-------------------------------------|--|
| RYB | 112, 160, 137 |
| Decimal | 8888432 |
| CIELab | 63.00, -17.64, 22.23 |
| CIELCh | 63, 28.378, 128.441 |
| Yxy | 31.5869, 0.3309, 0.4084 |
| Android (android.graphics.Color) | 4287078512 (0xFF87A070) |
| YUV | 147.0530, -17.2811, -10.5705 |
| Hunter-Lab | 56.2022, -17.0683, 18.0806 |

Details

The CIELCh color $63, 28.378, 128.441$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $51, 29.508, 311.184$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 28.499, 128.328$, and $43, 27.985, 128.861$ is the 20% darker color. If you saturate the color by 10%, you get $62, 37.658, 127.970$, and if you desaturate by 10%, it is $64, 18.939, 128.918$.

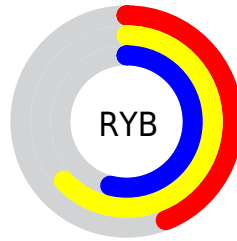
Distribution



Red (53%)

Green (63%)

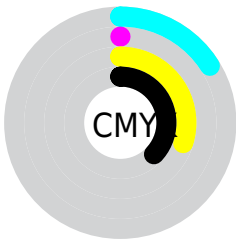
Blue (44%)



Red (44%)

Yellow (63%)

Blue (54%)

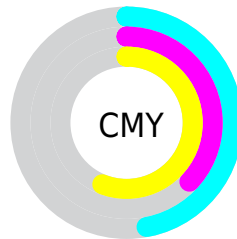


Cyan (16%)

Magenta (0%)

Yellow (30%)

Black (37%)



Cyan (47%)


Magenta (37%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 28.378, 128.441 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, 28.378, 128.441 by changing the saturation by 10% instead.


 63, 28.378,
128.441


 63, 28.378,
128.441


 100, 28.378,
128.441


 53, 28.378,
128.441


 83, 28.378,
128.441

 43, 28.378,
128.441

 93, 28.378,
128.441

 33, 28.378,
128.441

 23, 28.378,
128.441

 13, 28.378,
128.441

 3, 28.378, 128.441

 0, 28.378, 128.441

63, 28.378,
128.441

63, 28.378,
128.441

62, 37.658,
127.970

64, 18.939,
128.918

61, 46.626,
127.535

65, 9.439, 129.379

61, 55.073,
127.193

66, 0.047, 307.554

67, 9.468, 310.176

60, 62.703,
127.026

68, 18.785,
310.538

60, 69.142,
127.148

70, 27.973,
310.860

59, 74.008,
127.678


71, 37.014,
311.148

59, 77.455,
128.537

72, 45.896,
311.404

59, 77.469,

128.540

 74, 53.857,
311.880

Harmonies

Complementary

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



63, 28.378, 128.441



51, 29.508, 311.184

Rectangle

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



63, 28.378, 128.441



63, 28.378, 178.441



63, 28.378, 308.441



63, 28.378, 358.441

Sweetspot

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



63, 28.379, 128.443



83, 10.590, 129.415



59, 17.276, 73.490



43, 7.347, 129.353



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 28.379, 128.443



80, 42.218, 128.123



62, 32.439, 142.837



33, 5.298, 129.412



53, 71.075, 128.379



4, 6.977, 130.643

Inverse Universe

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



51, 29.508, 311.184



62, 44.322, 311.529



54, 32.438, 326.491



31, 5.366, 310.178



22, 80.500, 312.615



1, 6.899, 308.856

Previews

White Background



This preview shows how the CIELCh color 63, 28.378, 128.441 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, 28.378, 128.441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

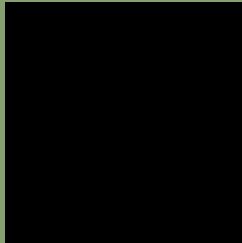
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 28.378, 128.441

Background



This preview shows how black text looks on a background with the CIELCh color 63, 28.378, 128.441.



This preview shows how white text looks on a background with the CIELCh color 63, 28.378, 128.441.

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, 28.378, 128.441

Protanopia

63, 24.369, 95.364

Deuteranopia

63, 22.550, 69.398



Tritanopia
63, 8.061, 264.052

Trichromacy



Original Color
63, 28.378, 128.441

Protanomaly
63, 24.816, 108.409

Deuteranomaly
63, 21.182, 93.990

Tritanomaly
63, 8.358, 156.766

Monochromacy



Original Color
63, 28.378, 128.441

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 10.700, 128.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 28.378, 128.441 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(135, 160, 112)` looks like.

```
.text, #text, p{  
    color:rgb(135, 160, 112)  
}
```

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(135, 160, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 160, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 28.378, 128.441 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(135, 160, 112) }
```

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

```
.border{ border-color:rgb(135, 160, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 160, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 160, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 160, 112);  
box-shadow:4px 4px 4px 4px rgb(135, 160,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 28.378, 128.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 160, 112) }
```

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

```
.background{ background-color: rgb(135,  
160, 112) }
```

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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