

Converting Colors

CIELCh(55, 46.631, 125.929)

Have a look what the booklet for
CIELCh(55, 46.631, 125.929)
contains.

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Color

CIELCh(55, 46.765, 126.155)

Conversions

Conversions Part 1

Format	Color
Hex	688F3F
RGB	104, 143, 63
RGB Percent	41%, 56%, 25%
CMY	0.5923, 0.4394, 0.7531
CMYK	0.27, 0.00, 0.56, 0.44
HSL	89°, 39%, 40%
HSV	89°, 56%, 56%
XYZ	16.4151, 22.9298, 8.2570
YIQ	122.2190, 2.4360, -33.1480

Conversions

Conversions Part 2

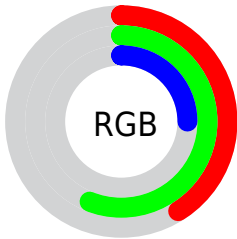
Format	Color
RYB	63, 143, 102
Decimal	6852415
CIELab	55.00, -27.59, 37.76
CIElCh	55, 46.765, 126.155
Yxy	22.9298, 0.3448, 0.4817
Android (android.graphics.Color)	4285042495 (0xFF688F3F)
YUV	122.2190, -29.1950, -15.9781
Hunter-Lab	47.8851, -22.6088, 23.2960

Details

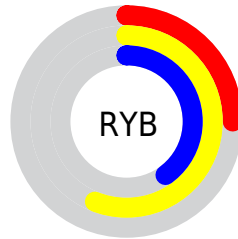
The CIELCh color $55, 46.765, 126.155$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $35, 50.863, 311.452$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 46.854, 126.224$, and $35, 46.480, 126.259$ is the 20% darker color. If you saturate the color by 10%, you get $54, 54.014, 125.911$, and if you desaturate by 10%, it is $56, 38.913, 126.538$.

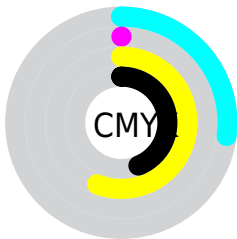
Distribution



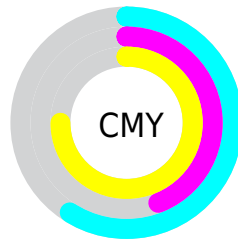
- Red (41%)
- Green (56%)
- Blue (25%)



- Red (25%)
- Yellow (56%)
- Blue (40%)



- Cyan (27%)
- Magenta (0%)
- Yellow (56%)
- Black (44%)





- Cyan (59%)
- Magenta (44%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 46.765, 126.155 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 55, 46.765, 126.155 by changing the saturation by 10% instead.


 55, 46.765,
126.155


 55, 46.765,
126.155


 100, 46.765,
126.155


 45, 46.765,
126.155


 75, 46.765,
126.155

 35, 46.765,
126.155

 85, 46.765,
126.155

 25, 46.765,
126.155

 95, 46.765,
126.155

 15, 46.765,
126.155

 5, 46.765, 126.155

 0, 46.765, 126.155

■ 55, 46.765,
126.155

■ 55, 46.765,
126.155

■ 54, 54.014,
125.911

■ 56, 38.913,
126.538

■ 54, 60.356,
125.898

■ 56, 30.684,
126.988

■ 54, 65.438,
126.234

■ 57, 22.236,
127.463

■ 53, 69.059,
126.987

■ 58, 13.682,
127.935

■ 53, 70.385,
127.287

■ 59, 5.098, 128.395

■ 60, 3.459, 308.773

■ 61, 11.950,
309.179

■ 62, 20.348,
309.535

■ 63, 28.632,
309.856

Harmonies

Complementary

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



55, 46.765, 126.155



35, 50.863, 311.452

Rectangle

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



55, 46.765, 126.155



55, 46.765, 176.155



55, 46.765, 306.155



55, 46.765, 356.155

Sweetspot

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



55, 46.766, 126.156



74, 18.077, 127.869



46, 30.745, 66.954



39, 12.187, 127.787



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 46.766, 126.156



69, 67.620, 125.882



53, 53.910, 139.562



30, 4.831, 128.247



50, 67.517, 127.201



2, 3.266, 128.632

Inverse Universe

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



35, 50.863, 311.452



40, 75.076, 311.986



40, 53.597, 326.715



28, 4.896, 309.024



20, 77.846, 311.908



0, 3.267, 308.630

Previews

White Background



This preview shows how the CIELCh color 55, 46.765, 126.155 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 46.765, 126.155 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 × Fail

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

CIELCh 55, 46.765, 126.155

Background



This preview shows how black text looks on a background with the CIELCh color 55, 46.765, 126.155.



This preview shows how white text looks on a background with the CIELCh color 55, 46.765, 126.155.

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](#).

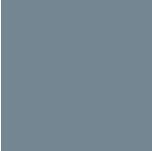
Dichromacy



Original Color
55, 46.765, 126.155

Protanopia
55, 40.420, 95.269

Deuteranopia
55, 36.723, 78.886



Tritanopia
55, 9.266, 242.142

Trichromacy



Original Color
55, 46.765, 126.155

Protanomaly
55, 41.126, 107.678

Deuteranomaly
55, 36.883, 99.896

Tritanomaly
55, 16.418, 147.739

Monochromacy



Original Color
55, 46.765, 126.155

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 17.819, 128.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 46.765, 126.155 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(104, 143, 63)` looks like.

```
.text, #text, p{  
    color:rgb(104, 143, 63)  
}
```

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(104, 143, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 143, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 46.765, 126.155 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(104, 143, 63) }
```

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

```
.border{ border-color:rgb(104, 143, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 143, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 143, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 143, 63);  
box-shadow:4px 4px 4px 4px rgb(104, 143,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 46.765, 126.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 143, 63) }
```

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

```
.background{ background-color: rgb(104,  
143, 63) }
```

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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