

Converting Colors

CIELCh(55, 55.583, 126.978)

Have a look what the booklet for
CIELCh(55, 55.583, 126.978)
contains.

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Color

CIELCh(55, 55.718, 126.875)

Conversions

Conversions Part 1

Format	Color
Hex	5F9130
RGB	95, 145, 48
RGB Percent	37%, 57%, 19%
CMY	0.6271, 0.4310, 0.8114
CMYK	0.34, 0.00, 0.67, 0.43
HSL	91°, 50%, 38%
HSV	91°, 67%, 57%
XYZ	15.4030, 22.9298, 6.4198
YIQ	118.9920, 1.3370, -40.7670

Conversions

Conversions Part 2

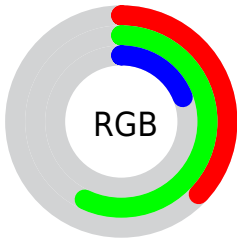
Format	Color
RYB	48, 145, 98
Decimal	6263088
CIELab	55.00, -33.43, 44.57
CIELCh	55, 55.718, 126.875
Yxy	22.9298, 0.3442, 0.5124
Android (android.graphics.Color)	4284453168 (0xFF5F9130)
YUV	118.9920, -34.9991, -21.0410
Hunter-Lab	47.8851, -26.3817, 25.5708

Details

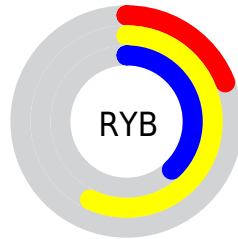
The CIELCh color $55, 55.718, 126.875$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $31, 61.214, 312.724$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 55.542, 126.758$, and $35, 52.876, 128.624$ is the 20% darker color. If you saturate the color by 10%, you get $54, 62.092, 126.880$, and if you desaturate by 10%, it is $56, 48.388, 127.114$.

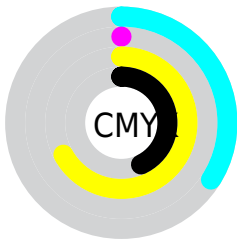
Distribution



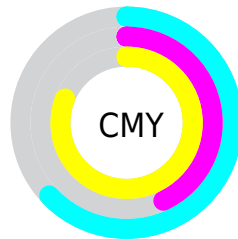
- Red (37%)
- Green (57%)
- Blue (19%)



- Red (19%)
- Yellow (57%)
- Blue (38%)



- Cyan (34%)
- Magenta (0%)
- Yellow (67%)
- Black (43%)





- Cyan (63%)
- Magenta (43%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 55.718, 126.875 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, 55.718, 126.875 by changing the saturation by 10% instead.


 55, 55.718,
126.875


 55, 55.718,
126.875


 100, 55.718,
126.875


 45, 55.718,
126.875


 75, 55.718,
126.875

 35, 55.718,
126.875

 85, 55.718,
126.875

 25, 55.718,
126.875

 95, 55.718,
126.875

 15, 55.718,
126.875

 5, 55.718, 126.875

 0, 55.718, 126.875

■ 55, 55.718,
126.875

■ 55, 55.718,
126.875

■ 54, 62.092,
126.880

■ 56, 48.388,
127.114

■ 54, 67.152,
127.243

■ 56, 40.418,
127.492

■ 54, 70.752,
128.006

■ 57, 32.046,
127.940

■ 54, 71.800,
128.232

■ 58, 23.442,
128.413

■ 59, 14.725,
128.881

■ 60, 5.977, 129.336

■ 61, 2.743, 309.698

■ 62, 11.393,
310.105

■ 63, 19.941,
310.454

Harmonies

Complementary

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



55, 55.718, 126.875



31, 61.214, 312.724

Rectangle

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



55, 55.718, 126.875



55, 55.718, 176.875



55, 55.718, 306.875



55, 55.718, 356.875

Sweetspot

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



55, 55.719, 126.876



74, 21.649, 128.716



45, 38.022, 67.172



38, 14.720, 128.599



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, 55.719, 126.876



69, 78.545, 127.002



53, 63.482, 138.655



30, 4.862, 129.231



50, 68.117, 128.125



2, 3.286, 129.607

Inverse Universe

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



31, 61.214, 312.724



35, 87.942, 312.970



38, 62.592, 327.618



28, 4.924, 309.987



20, 77.391, 312.546



0, 3.287, 309.605

Previews

White Background



This preview shows how the CIELCh color 55, 55.718, 126.875 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, 55.718, 126.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

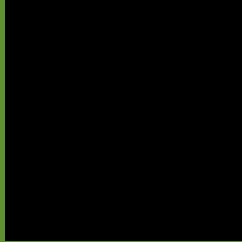
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 55.718, 126.875

Background



This preview shows how black text looks on a background with the CIELCh color 55, 55.718, 126.875.



This preview shows how white text looks on a background with the CIELCh color 55, 55.718, 126.875.

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, 55.718, 126.875

Protanopia
55, 47.396, 95.183

Deuteranopia
55, 43.345, 80.691



Tritanopia
55, 11.139, 229.825

Trichromacy



Original Color
55, 55.718, 126.875

Protanomaly
54, 48.538, 108.641

Deuteranomaly
54, 43.646, 101.086

Tritanomaly
55, 21.783, 147.811

Monochromacy



Original Color
55, 55.718, 126.875

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 21.533, 128.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 55.718, 126.875 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(95, 145, 48)` looks like.

```
.text, #text, p{  
    color:rgb(95, 145, 48)  
}
```

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(95, 145, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 145, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 55.718, 126.875 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(95, 145, 48) }
```

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

```
.border{ border-color:rgb(95, 145, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 145, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 145, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 145, 48);  
box-shadow:4px 4px 4px 4px rgb(95, 145,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 55.718, 126.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 145, 48) }
```

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

```
.background{ background-color: rgb(95, 145,  
48) }
```

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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