

Converting Colors

CIELCh(78, 55.255, 119.609)

Have a look what the booklet for
CIELCh(78, 55.255, 119.609)
contains.

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Color

CIELCh(78, 55.367, 119.537)

Conversions

Conversions Part 1

Format	Color
Hex	ACCD64
RGB	172, 205, 100
RGB Percent	67%, 80%, 39%
CMY	0.3264, 0.1970, 0.6087
CMYK	0.16, 0.00, 0.51, 0.20
HSL	79°, 51%, 60%
HSV	79°, 51%, 80%
XYZ	41.0280, 53.2120, 20.1101
YIQ	183.1630, 14.0370, -39.6510

Conversions

Conversions Part 2

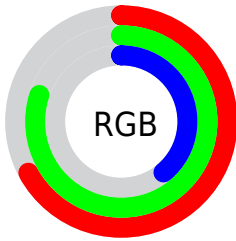
Format	Color
RYB	100, 205, 133
Decimal	11324772
CIELab	78.00, -27.30, 48.17
CIELCh	78, 55.367, 119.537
Yxy	53.2120, 0.3588, 0.4653
Android (android.graphics.Color)	4289514852 (0xFFACCD64)
YUV	183.1630, -40.9994, -9.7900
Hunter-Lab	72.9466, -27.2610, 34.7174

Details

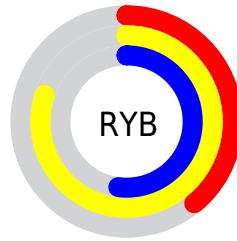
The CIELCh color **78, 55.367, 119.537** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **50, 61.891, 306.124**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 51.792, 117.593**, and **58, 55.684, 119.741** is the 20% darker color. If you saturate the color by 10%, you get **77, 64.839, 119.183**, and if you desaturate by 10%, it is **79, 45.160, 120.021**.

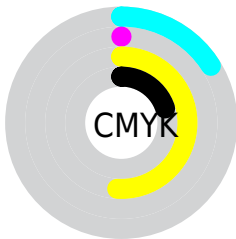
Distribution



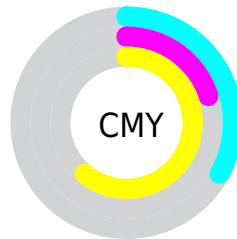
- Red (67%)
- Green (80%)
- Blue (39%)



- Red (39%)
- Yellow (80%)
- Blue (52%)



- Cyan (16%)
- Magenta (0%)
- Yellow (51%)
- Black (20%)





- Cyan (33%)
- Magenta (20%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 55.367, 119.537 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 78, 55.367, 119.537 by changing the saturation by 10% instead.


 78, 55.367,
119.537


 78, 55.367,
119.537


 100, 55.367,
119.537


 68, 55.367,
119.537


 98, 55.367,
119.537

 58, 55.367,
119.537

 48, 55.367,
119.537

 38, 55.367,
119.537

 28, 55.367,
119.537

 18, 55.367,
119.537

 8, 55.367, 119.537

0, 55.367, 119.537

78, 55.367,
119.537

78, 55.367,
119.537

77, 64.839,
119.183

79, 45.160,
120.021

77, 73.177,
119.039

79, 34.497,
120.569

76, 79.891,
119.216

80, 23.571,
121.143

76, 84.543,
119.822

81, 12.510,
121.718

76, 87.080,
120.669

82, 1.401, 122.310

83, 9.694, 302.797

84, 20.732,

303.299

■ 85, 27.285,
305.461

■ 86, 27.852,
309.874

Harmonies

Complementary

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



78, 55.367, 119.537



50, 61.891, 306.124

Rectangle

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



78, 55.367, 119.537



78, 55.367, 169.537



78, 55.367, 299.537



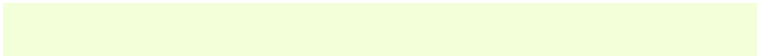
78, 55.367, 349.537

Sweetspot

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



78, 55.368, 119.539



98, 19.888, 121.493



62, 38.018, 49.033



52, 13.564, 121.370



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 55.368, 119.539



94, 78.094, 119.145



75, 63.229, 135.816



43, 6.277, 121.825



62, 74.308, 120.446



13, 23.071, 122.589

Inverse Universe

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



50, 61.891, 306.124



54, 90.165, 307.137



56, 64.471, 320.962



40, 6.393, 302.878



22, 93.736, 308.594



2, 23.918, 300.558

Previews

White Background



This preview shows how the CIELCh color 78, 55.367, 119.537 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 78, 55.367, 119.537 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 78, 55.367, 119.537

Background



This preview shows how black text looks on a background with the CIELCh color 78, 55.367, 119.537.



This preview shows how white text looks on a background with the CIELCh color 78, 55.367, 119.537.

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
78, 55.367, 119.537

Protanopia
78, 50.953, 95.723

Deuteranopia
78, 47.499, 77.873



Tritanopia
78, 8.461, 271.448

Trichromacy



Original Color
78, 55.367, 119.537

Protanomaly
78, 51.413, 104.925

Deuteranomaly
77, 46.843, 94.747

Tritanomaly
78, 16.306, 132.121

Monochromacy



Original Color
78, 55.367, 119.537

Achromatopsia
74, 0.009, 296.813

Achromatomaly
76, 20.847, 121.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 55.367, 119.537 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(172, 205, 100)` looks like.

```
.text, #text, p{  
    color:rgb(172, 205, 100)  
}
```

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(172, 205, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 205, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 55.367, 119.537 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(172, 205, 100) }
```

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

```
.border{ border-color:rgb(172, 205, 100) }
```

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

Here you see how a box with a 4 pixel rgb(172, 205, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 205, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 205, 100);  
box-shadow:4px 4px 4px 4px rgb(172, 205,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 55.367, 119.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 205, 100) }
```

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

```
.background{ background-color: rgb(172,  
205, 100) }
```

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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