

Converting Colors

CIELCh(55, 24.121, 167.083)

Have a look what the booklet for
CIELCh(55, 24.121, 167.083)
contains.

CIELCh(55, 24.121, 167.083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 24.121, 167.083)

Conversions

Conversions Part 1

Format	Color
Hex	578F7A
RGB	87, 143, 122
RGB Percent	34%, 56%, 48%
CMY	0.6603, 0.4408, 0.5231
CMYK	0.39, 0.00, 0.15, 0.44
HSL	158°, 24%, 45%
HSV	158°, 39%, 56%
XYZ	17.1472, 22.9298, 21.8107
YIQ	123.8620, -26.6350, -18.4030

Conversions

Conversions Part 2

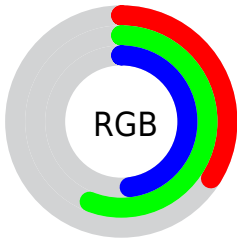
Format	Color
RYB	87, 121, 143
Decimal	5738362
CIELab	55.00, -23.51, 5.39
CIElCh	55, 24.121, 167.083
Yxy	22.9298, 0.2771, 0.3705
Android (android.graphics.Color)	4283928442 (0xFF578F7A)
YUV	123.8620, -0.9180, -32.3280
Hunter-Lab	47.8851, -19.8797, 6.5141

Details

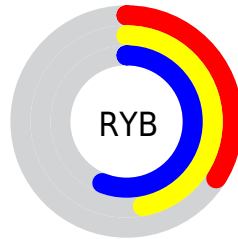
The CIELCh color **55, 24.121, 167.083** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **44, 26.234, 355.291**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 24.264, 166.777**, and **35, 24.193, 166.928** is the 20% darker color. If you saturate the color by 10%, you get **54, 29.653, 165.822**, and if you desaturate by 10%, it is **56, 18.248, 168.220**.

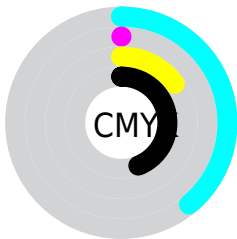
Distribution



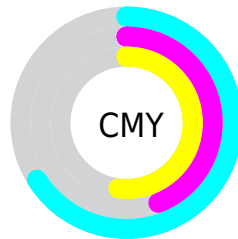
- Red (34%)
- Green (56%)
- Blue (48%)



- Red (34%)
- Yellow (47%)
- Blue (56%)



- Cyan (39%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)




- Cyan (66%)
- Magenta (44%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 24.121, 167.083 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, 24.121, 167.083 by changing the saturation by 10% instead.

 55, 24.121,
167.083

 55, 24.121,
167.083


 100, 24.121,
167.083

 45, 24.121,
167.083


 75, 24.121,
167.083

 35, 24.121,
167.083

 85, 24.121,
167.083

 25, 24.121,
167.083

 95, 24.121,
167.083

 15, 24.121,
167.083

 5, 24.121, 167.083

 0, 24.121, 167.083

■ 55, 24.121,
167.083

■ 55, 24.121,
167.083

■ 54, 29.653,
165.822

■ 56, 18.248,
168.220

■ 54, 34.742,
164.418

■ 57, 12.131,
169.260

■ 53, 39.303,
162.846

■ 58, 5.863, 170.235

■ 53, 43.278,
161.086

■ 59, 0.474, 350.306

■ 61, 6.815, 351.808

■ 52, 46.651,
159.127

■ 62, 13.107,
352.594

■ 52, 49.568,
157.064

■ 64, 19.311,
353.320

■ 52, 49.783,
156.919

■ 65, 25.400,
354.004

■ 67, 31.355,
354.652

Harmonies

Complementary

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



55, 24.121, 167.083



44, 26.234, 355.291

Rectangle

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



55, 24.121, 167.083



55, 24.121, 217.083



55, 24.121, 347.083



55, 24.121, 37.083

Sweetspot

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



55, 24.122, 167.082



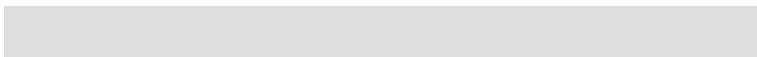
74, 9.433, 169.946



55, 34.570, 131.254



39, 6.303, 169.836



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, 24.122, 167.082



70, 35.264, 165.988



54, 17.243, 210.570



30, 3.579, 170.243



50, 47.774, 157.042



2, 2.429, 170.995

Inverse Universe

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



44, 26.234, 355.291



53, 39.020, 356.671



45, 22.845, 31.894



28, 3.651, 351.748



28, 53.008, 12.577



1, 2.430, 350.983

Previews

White Background



This preview shows how the CIELCh color 55, 24.121, 167.083 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, 24.121, 167.083 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, 24.121, 167.083

Background



This preview shows how black text looks on a background with the CIELCh color 55, 24.121, 167.083.

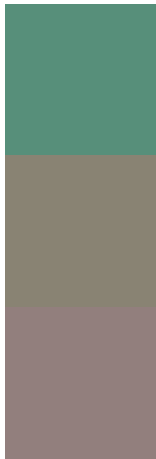


This preview shows how white text looks on a background with the CIELCh color 55, 24.121, 167.083.

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, 24.121, 167.083

Protanopia
55, 9.480, 93.780

Deuteranopia
55, 7.861, 28.510



Tritanopia
55, 16.675, 220.489

Trichromacy



Original Color
55, 24.121, 167.083

Protanomaly
55, 12.213, 140.741

Deuteranomaly
55, 6.320, 144.097

Tritanomaly
55, 17.226, 197.758

Monochromacy



Original Color
55, 24.121, 167.083

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 9.164, 168.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 24.121, 167.083 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(87, 143, 122)` looks like.

```
.text, #text, p{  
    color:rgb(87, 143, 122)  
}
```

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(87, 143, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 143, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 24.121, 167.083 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(87, 143, 122) }
```

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

```
.border{ border-color:rgb(87, 143, 122) }
```

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

Here you see how a box with a 4 pixel rgb(87, 143, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 143, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 143, 122);  
box-shadow:4px 4px 4px 4px rgb(87, 143,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 24.121, 167.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 143, 122) }
```

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

```
.background{ background-color: rgb(87, 143,  
122) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor