

Converting Colors

CIELCh(55, 14.208, 214.695)

Have a look what the booklet for
CIELCh(55, 14.208, 214.695)
contains.

CIELCh(55, 14.204, 214.731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 14.204, 214.731)

Conversions

Conversions Part 1

Format	Color
Hex	638A91
RGB	99, 138, 145
RGB Percent	39%, 54%, 57%
CMY	0.6112, 0.4582, 0.4308
CMYK	0.32, 0.05, 0.00, 0.43
HSL	189°, 19%, 48%
HSV	189°, 32%, 57%
XYZ	19.3941, 22.9298, 30.2526
YIQ	127.1370, -25.4910, -6.0910

Conversions

Conversions Part 2

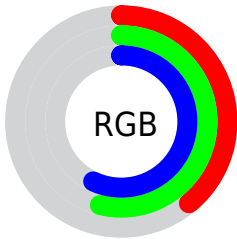
Format	Color
R _Y B	99, 120, 145
Decimal	6523537
CIE Lab	55.00, -11.67, -8.09
CIE LCh	55, 14.204, 214.731
Yxy	22.9298, 0.2672, 0.3159
Android (android.graphics.Color)	4284713617 (0xFF638A91)
YUV	127.1370, 8.8065, -24.6761
Hunter-Lab	47.8851, -11.5041, -3.9384

Details

The CIELCh color **55, 14.204, 214.731** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **49, 17.685, 34.598**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 14.206, 216.261**, and **35, 14.103, 215.949** is the 20% darker color. If you saturate the color by 10%, you get **54, 17.918, 215.246**, and if you desaturate by 10%, it is **57, 10.069, 214.398**.

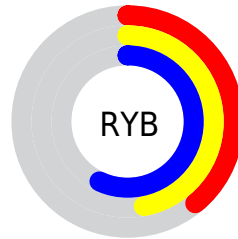
Distribution



Red (39%)

Green (54%)

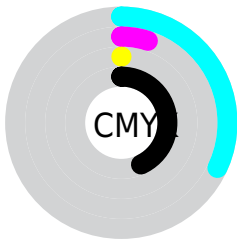
Blue (57%)



Red (39%)

Yellow (47%)

Blue (57%)

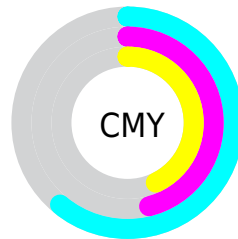


Cyan (32%)

Magenta (5%)

Yellow (0%)

Black (43%)



Cyan (61%)


Magenta (46%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 14.204, 214.731 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, 14.204, 214.731 by changing the saturation by 10% instead.


 55, 14.204,
214.731


 55, 14.204,
214.731


 100, 14.204,
214.731


 45, 14.204,
214.731


 75, 14.204,
214.731

 35, 14.204,
214.731

 85, 14.204,
214.731

 25, 14.204,
214.731

 95, 14.204,
214.731

 15, 14.204,
214.731

 5, 14.204, 214.731

 0, 14.204, 214.731

■ 55, 14.204,
214.731

■ 55, 14.204,
214.731

■ 54, 17.918,
215.246

■ 57, 10.069,
214.398

■ 52, 21.139,
215.998

■ 58, 5.588, 214.239

■ 51, 23.804,
217.031

■ 60, 0.829, 214.609

■ 62, 4.145, 33.992

■ 50, 25.867,
218.405

■ 64, 9.280, 34.133

■ 49, 27.317,
220.181

■ 66, 14.532, 34.286

■ 68, 19.865, 34.469

■ 48, 28.185,
222.414

■ 70, 25.247, 34.678

■ 47, 28.647,
224.504

■ 72, 30.656, 34.906

Harmonies

Complementary

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



55, 14.204, 214.731



49, 17.685, 34.598

Rectangle

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



55, 14.204, 214.731



55, 14.204, 264.731



55, 14.204, 34.731



55, 14.204, 84.731

Sweetspot

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



55, 14.204, 214.727



74, 5.943, 214.232



56, 28.820, 146.548



39, 4.028, 214.238



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, 14.204, 214.727



69, 20.492, 215.074



48, 18.280, 274.605



29, 2.680, 214.231



44, 27.203, 224.295



1, 1.853, 214.098

Inverse Universe

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



48, 28.841, 330.795



59, 42.626, 331.235



55, 18.526, 85.771



28, 5.049, 329.417



30, 64.208, 335.171



1, 3.390, 328.910

Previews

White Background



This preview shows how the CIELCh color 55, 14.204, 214.731 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 CIE LCh color 55, 14.204, 214.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

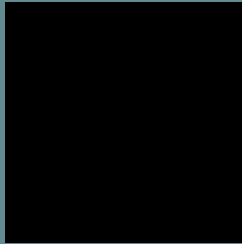
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

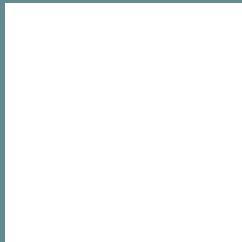
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 14.204, 214.731

Background



This preview shows how black text looks on a background with the CIELCh color 55, 14.204, 214.731.

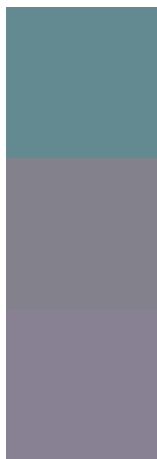


This preview shows how white text looks on a background with the CIELCh color 55, 14.204, 214.731.

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, 14.204, 214.731

Protanopia

55, 5.776, 294.694

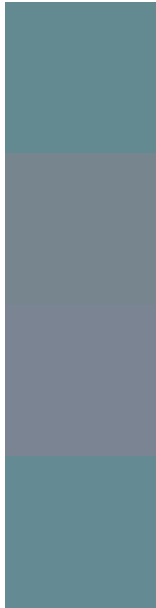
Deuteranopia

55, 11.398, 306.886



Tritanopia
55, 14.472, 224.339

Trichromacy



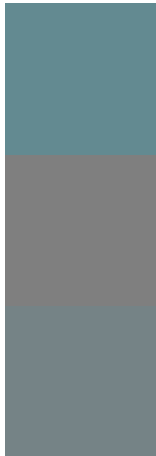
Original Color
55, 14.204, 214.731

Protanomaly
55, 7.258, 244.710

Deuteranomaly
55, 8.636, 268.373

Tritanomaly
55, 14.298, 222.106

Monochromacy



Original Color
55, 14.204, 214.731

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 5.577, 217.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 14.204, 214.731 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(99, 138, 145)` looks like.

```
.text, #text, p{  
    color:rgb(99, 138, 145)  
}
```

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(99, 138, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 138, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 14.204, 214.731 is called "border". The border property can be set on classes, ids or directly on the HTML element.

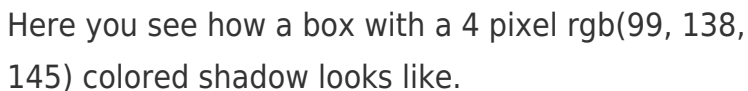
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 138, 145) }
```

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

```
.border{ border-color:rgb(99, 138, 145) }
```

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



Here you see how a box with a 4 pixel rgb(99, 138, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 138, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 138, 145);  
box-shadow:4px 4px 4px 4px rgb(99, 138,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 14.204, 214.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 138, 145) }
```

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

```
.background{ background-color: rgb(99, 138,  
145) }
```

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