

Converting Colors

CIELCh(55, 14.012, 202.817)

Have a look what the booklet for
CIELCh(55, 14.012, 202.817)
contains.

CIELCh(55, 14.012, 202.817)	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, 14.012, 202.817)

Conversions

Conversions Part 1

Format	Color
Hex	648B8D
RGB	100, 139, 141
RGB Percent	39%, 55%, 55%
CMY	0.6095, 0.4567, 0.4488
CMYK	0.29, 0.01, 0.00, 0.45
HSL	183°, 17%, 47%
HSV	183°, 29%, 55%
XYZ	19.1496, 22.9298, 28.4411
YIQ	127.5670, -23.8860, -7.6460

Conversions

Conversions Part 2

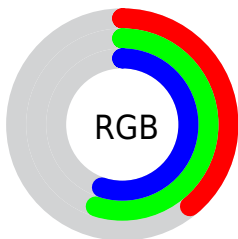
Format	Color
R_{YB}	100, 120, 141
Decimal	6589325
CIE _{Lab}	55.00, -12.92, -5.43
CIE _{LCh}	55, 14.012, 202.817
Yxy	22.9298, 0.2715, 0.3252
Android (android.graphics.Color)	4284779405 (0xFF648B8D)
YUV	127.5670, 6.6225, -24.1763
Hunter-Lab	47.8851, -12.4155, -1.6954

Details

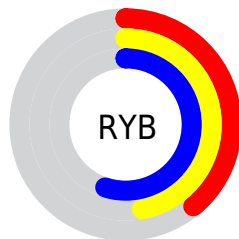
The CIELCh color `55, 14.012, 202.817` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `47, 17.060, 25.430`, and the grayscale version is `53, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 14.191, 202.747`, and `35, 13.991, 202.755` is the 20% darker color. If you saturate the color by 10%, you get `54, 18.065, 202.645`, and if you desaturate by 10%, it is `56, 9.525, 203.071`.

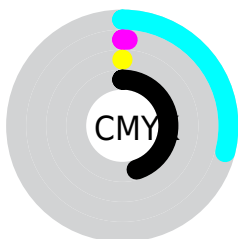
Distribution



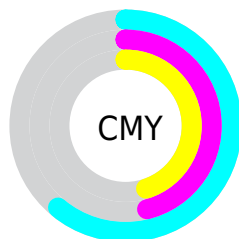
- Red (39%)
- Green (55%)
- Blue (55%)



- Red (39%)
- Yellow (47%)
- Blue (55%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)
- Black (45%)





- Cyan (61%)
- Magenta (46%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 14.012, 202.817 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, 14.012, 202.817 by changing the saturation by 10% instead.


 55, 14.012,
202.817


 55, 14.012,
202.817


 100, 14.012,
202.817


 45, 14.012,
202.817


 75, 14.012,
202.817

 35, 14.012,
202.817

 85, 14.012,
202.817

 25, 14.012,
202.817

 95, 14.012,
202.817

 15, 14.012,
202.817

 5, 14.012, 202.817

 0, 14.012, 202.817

■ 55, 14.012,
202.817

■ 55, 14.012,
202.817

■ 54, 18.065,
202.645

■ 56, 9.525, 203.071

■ 53, 21.604,
202.579

■ 57, 4.682, 203.429

■ 59, 0.439, 22.730

■ 52, 24.562,
202.628

■ 60, 5.771, 24.041

■ 52, 26.887,
202.808

■ 61, 11.254, 24.520

■ 63, 16.838, 24.999

■ 51, 28.556,
203.133

■ 65, 22.483, 25.487

■ 51, 29.585,
203.615

■ 66, 28.156, 25.982

■ 68, 33.833, 26.478

■ 51, 30.139,
204.222

■ 51, 30.183,

Harmonies

Complementary

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



55, 14.012, 202.817



47, 17.060, 25.430

Rectangle

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



55, 14.012, 202.817



55, 14.012, 252.817



55, 14.012, 22.817



55, 14.012, 72.817

Sweetspot

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



55, 14.012, 202.813



73, 5.720, 203.427



55, 28.051, 143.378



38, 3.948, 203.373



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



55, 14.012, 202.813



70, 20.377, 202.692



49, 14.302, 263.372



30, 2.923, 203.428



49, 29.342, 204.242



2, 2.021, 203.689

Inverse Universe

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



48, 27.766, 327.351



59, 41.298, 327.704



52, 15.211, 75.323



28, 5.425, 326.247



31, 69.467, 330.216



1, 3.644, 325.770

Previews

White Background



This preview shows how the CIELCh color 55, 14.012, 202.817 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, 14.012, 202.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

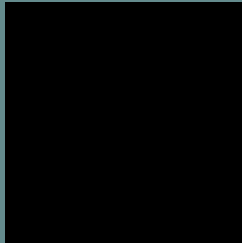
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 14.012, 202.817

Background



This preview shows how black text looks on a background with the CIELCh color 55, 14.012, 202.817.

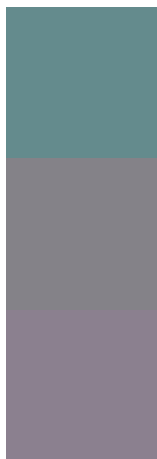


This preview shows how white text looks on a background with the CIELCh color 55, 14.012, 202.817.

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, 14.012, 202.817

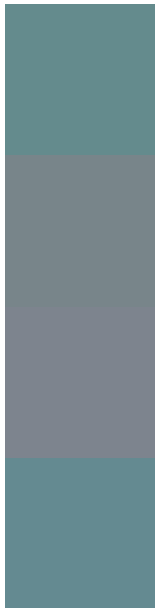
Protanopia
55, 3.554, 303.267

Deuteranopia
55, 9.661, 317.195



Tritanopia
55, 13.919, 225.536

Trichromacy



Original Color
55, 14.012, 202.817

Protanomaly
55, 5.646, 229.741

Deuteranomaly
55, 6.273, 265.948

Tritanomaly
55, 13.902, 215.128

Monochromacy



Original Color
55, 14.012, 202.817

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 5.395, 205.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 14.012, 202.817 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(100, 139, 141)` looks like.

```
.text, #text, p{  
    color:rgb(100, 139, 141)  
}
```

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(100, 139, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 139, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 14.012, 202.817 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(100, 139, 141) }
```

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

```
.border{ border-color:rgb(100, 139, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 139, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 139, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 139, 141);  
box-shadow:4px 4px 4px 4px rgb(100, 139,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 14.012, 202.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 139, 141) }
```

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

```
.background{ background-color: rgb(100,  
139, 141) }
```

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