

Converting Colors

CIElCh(55, 23.095, 236.288)

Have a look what the booklet for
CIELCh(55, 23.095, 236.288)
contains.

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Color

CIELCh(55, 22.972, 235.189)

Conversions

Conversions Part 1

Format	Color
Hex	4E8CA4
RGB	78, 140, 164
RGB Percent	31%, 55%, 64%
CMY	0.6955, 0.4523, 0.3582
CMYK	0.53, 0.15, 0.00, 0.36
HSL	197°, 36%, 47%
HSV	197°, 53%, 64%
XYZ	19.1107, 22.9298, 38.3763
YIQ	124.1980, -44.6560, -5.6800

Conversions

Conversions Part 2

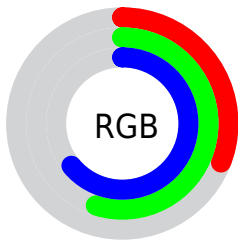
Format	Color
R_{YB}	78, 114, 164
Decimal	5147812
CIE Lab	55.00, -13.11, -18.86
CIE LCh	55, 22.972, 235.189
Yxy	22.9298, 0.2376, 0.2851
Android (android.graphics.Color)	4283337892 (0xFF4E8CA4)
YUV	124.1980, 19.6224, -40.5156
Hunter-Lab	47.8851, -12.5604, -13.9969

Details

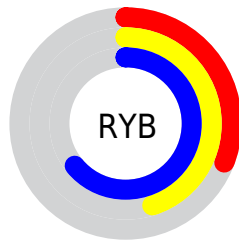
The CIELCh color **55, 22.972, 235.189** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **49, 32.792, 47.024**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 22.901, 234.633**, and **35, 22.885, 234.715** is the 20% darker color. If you saturate the color by 10%, you get **53, 26.096, 237.528**, and if you desaturate by 10%, it is **57, 19.374, 233.329**.

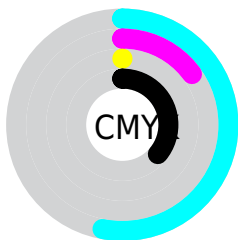
Distribution



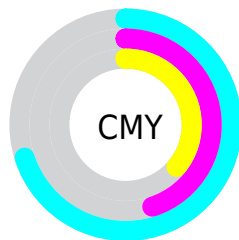
- Red (31%)
- Green (55%)
- Blue (64%)



- Red (31%)
- Yellow (45%)
- Blue (64%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (36%)




- Cyan (70%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 22.972, 235.189 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, 22.972, 235.189 by changing the saturation by 10% instead.


 55, 22.972,
235.189


 55, 22.972,
235.189


 100, 22.972,
235.189


 45, 22.972,
235.189


 75, 22.972,
235.189

 35, 22.972,
235.189

 85, 22.972,
235.189

 25, 22.972,
235.189

 95, 22.972,
235.189

 15, 22.972,
235.189

 5, 22.972, 235.189

 0, 22.972, 235.189

■ 55, 22.972,
235.189

■ 55, 22.972,
235.189

■ 53, 26.096,
237.528

■ 57, 19.374,
233.329

■ 51, 28.731,
240.438

■ 59, 15.348,
231.868

■ 49, 30.901,
243.992

■ 62, 10.953,
230.731

■ 48, 32.688,
248.217

■ 64, 6.250, 229.866

■ 46, 33.930,
251.586

■ 67, 1.301, 229.441

■ 69, 3.842, 48.446

■ 72, 9.131, 48.100

■ 74, 14.528, 47.802

■ 77, 20.000, 47.571

Harmonies

Complementary

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



55, 22.972, 235.189



49, 32.792, 47.024

Rectangle

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



55, 22.972, 235.189



55, 22.972, 285.189



55, 22.972, 55.189



55, 22.972, 105.189

Sweetspot

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



55, 22.971, 235.188



80, 9.734, 230.158



61, 47.392, 148.118



42, 6.593, 230.325



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



55, 22.971, 235.188



67, 32.146, 237.951



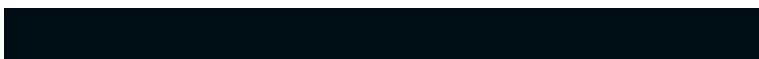
43, 39.809, 287.300



33, 2.830, 229.641



41, 30.988, 251.048



3, 4.476, 235.886

Inverse Universe

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



46, 47.129, 337.365



55, 67.189, 338.460



60, 37.524, 91.952



32, 5.156, 334.021



32, 61.778, 342.988



1, 7.654, 335.722

Previews

White Background



This preview shows how the CIE LCh color 55, 22.972, 235.189 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, 22.972, 235.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

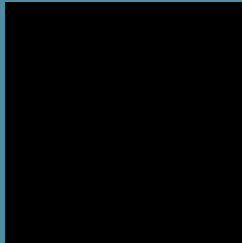
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 22.972, 235.189

Background



This preview shows how black text looks on a background with the CIELCh color 55, 22.972, 235.189.

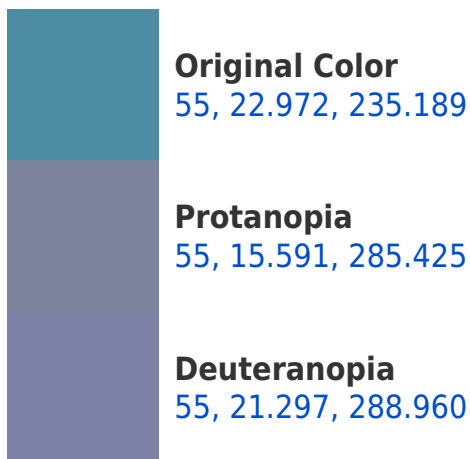


This preview shows how white text looks on a background with the CIELCh color 55, 22.972, 235.189.

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





Tritanopia
55, 22.026, 215.978

Trichromacy



Original Color
55, 22.972, 235.189

Protanomaly
55, 16.616, 259.320

Deuteranomaly
55, 19.906, 267.371

Tritanomaly
55, 22.222, 222.338

Monochromacy



Original Color
55, 22.972, 235.189

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 9.526, 227.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 22.972, 235.189 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(78, 140, 164)` looks like.

```
.text, #text, p{  
    color:rgb(78, 140, 164)  
}
```

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(78, 140, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 140, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 22.972, 235.189 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(78, 140, 164) }
```

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

```
.border{ border-color:rgb(78, 140, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 140, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 140, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 140, 164);  
box-shadow:4px 4px 4px 4px rgb(78, 140,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 22.972, 235.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 140, 164) }
```

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

```
.background{ background-color: rgb(78, 140,  
164) }
```

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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