

Converting Colors

CIELCh(55, 25.372, 239.524)

Have a look what the booklet for
CIELCh(55, 25.372, 239.524)
contains.

CIELCh(55, 25.370, 239.431)	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, 25.370, 239.431)

Conversions

Conversions Part 1

Format	Color
Hex	488CA9
RGB	72, 140, 169
RGB Percent	28%, 55%, 66%
CMY	0.7184, 0.4517, 0.3380
CMYK	0.57, 0.17, 0.00, 0.34
HSL	198°, 40%, 47%
HSV	198°, 57%, 66%
XYZ	19.1522, 22.9298, 40.8590
YIQ	122.9740, -49.8370, -5.3970

Conversions

Conversions Part 2

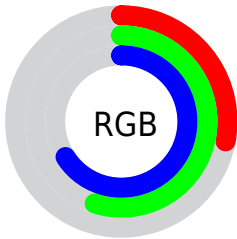
Format	Color
R_{YB}	72, 112, 169
Decimal	4754601
CIE _{Lab}	55.00, -12.90, -21.84
CIE _{LCh}	55, 25.370, 239.431
Yxy	22.9298, 0.2309, 0.2765
Android (android.graphics.Color)	4282944681 (0xFF488CA9)
YUV	122.9740, 22.6908, -44.7042
Hunter-Lab	47.8851, -12.4060, -17.0709

Details

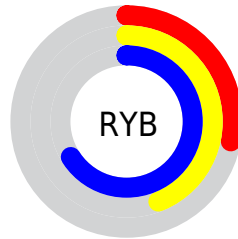
The CIELCh color **55, 25.370, 239.431** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **50, 37.167, 48.825**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 25.260, 238.453**, and **35, 25.052, 240.270** is the 20% darker color. If you saturate the color by 10%, you get **53, 28.444, 242.218**, and if you desaturate by 10%, it is **57, 21.830, 237.186**.

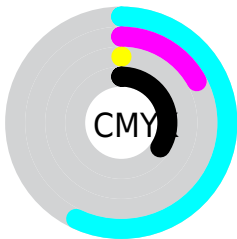
Distribution



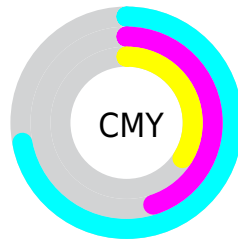
- Red (28%)
- Green (55%)
- Blue (66%)



- Red (28%)
- Yellow (44%)
- Blue (66%)



- Cyan (57%)
- Magenta (17%)
- Yellow (0%)
- Black (34%)



- Cyan (72%)
- Magenta (45%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 25.370, 239.431 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, 25.370, 239.431 by changing the saturation by 10% instead.

■ 55, 25.370,
239.431

■ 55, 25.370,
239.431

■ 100, 25.370,
239.431

■ 45, 25.370,
239.431

■ 75, 25.370,
239.431

■ 35, 25.370,
239.431

■ 85, 25.370,
239.431

■ 25, 25.370,
239.431

■ 95, 25.370,
239.431

■ 15, 25.370,
239.431

■ 5, 25.370, 239.431

■ 0, 25.370, 239.431

■ 55, 25.370,
239.431

■ 55, 25.370,
239.431

■ 53, 28.444,
242.218

■ 57, 21.830,
237.186

■ 51, 31.063,
245.630

■ 60, 17.855,
235.400

■ 49, 33.288,
249.709

■ 62, 13.493,
233.988

■ 47, 35.262,
254.366

■ 65, 8.803, 232.883

■ 47, 35.777,
255.532

■ 67, 3.846, 232.064

■ 70, 1.323, 50.915

■ 73, 6.656, 50.636

■ 75, 12.110, 50.234

■ 78, 17.651, 49.906

Harmonies

Complementary

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



55, 25.370, 239.431



50, 37.167, 48.825

Rectangle

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



55, 25.370, 239.431



55, 25.370, 289.431



55, 25.370, 59.431



55, 25.370, 109.431

Sweetspot

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



55, 25.369, 239.430



82, 10.605, 232.868



62, 52.008, 148.036



43, 7.051, 233.055



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



55, 25.369, 239.430



67, 35.508, 243.099



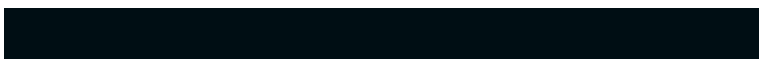
41, 46.013, 289.511



34, 2.897, 232.187



41, 32.305, 254.930



3, 5.414, 240.692

Inverse Universe

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



46, 51.487, 338.776



54, 72.724, 340.152



62, 42.470, 92.476



33, 5.215, 334.828



32, 61.747, 344.422



2, 8.950, 337.421

Previews

White Background



This preview shows how the CIE LCh color 55, 25.370, 239.431 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, 25.370, 239.431 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, 25.370, 239.431

Background



This preview shows how black text looks on a background with the CIELCh color 55, 25.370, 239.431.

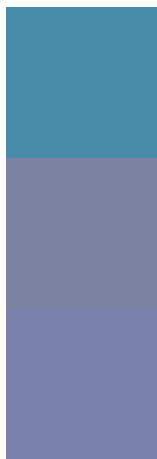


This preview shows how white text looks on a background with the CIELCh color 55, 25.370, 239.431.

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, 25.370, 239.431

Protanopia

55, 18.466, 285.798

Deuteranopia

55, 24.206, 287.404



Tritanopia
55, 23.973, 214.262

Trichromacy



Original Color
55, 25.370, 239.431

Protanomaly
55, 19.421, 262.185

Deuteranomaly
55, 22.891, 268.248

Tritanomaly
55, 23.918, 223.467

Monochromacy



Original Color
55, 25.370, 239.431

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 10.911, 234.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 25.370, 239.431 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(72, 140, 169)` looks like.

```
.text, #text, p{  
    color:rgb(72, 140, 169)  
}
```

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(72, 140, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 140, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 25.370, 239.431 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(72, 140, 169) }
```

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

```
.border{ border-color:rgb(72, 140, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 140, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 140, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 140, 169);  
box-shadow:4px 4px 4px 4px rgb(72, 140,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 25.370, 239.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 140, 169) }
```

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

```
.background{ background-color: rgb(72, 140,  
169) }
```

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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