

Converting Colors

CIELCh(55, 21.816, 292.446)

Have a look what the booklet for
CIELCh(55, 21.816, 292.446)
contains.

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Color

CIELCh(55, 21.878, 292.773)

Conversions

Conversions Part 1

Format	Color
Hex	8080A6
RGB	128, 128, 166
RGB Percent	50%, 50%, 65%
CMY	0.4965, 0.4965, 0.3474
CMYK	0.23, 0.23, 0.00, 0.35
HSL	240°, 18%, 58%
HSV	240°, 23%, 65%
XYZ	23.6539, 22.9298, 39.4551
YIQ	132.3320, -12.1980, 11.8180

Conversions

Conversions Part 2

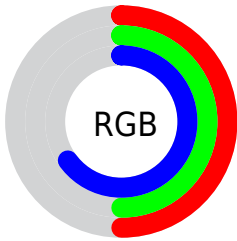
Format	Color
R_{YB}	128, 128, 166
Decimal	8421542
CIE Lab	55.00, 8.47, -20.17
CIE LCh	55, 21.878, 292.773
Yxy	22.9298, 0.2749, 0.2665
Android (android.graphics.Color)	4286611622 (0xFF8080A6)
YUV	132.3320, 16.5983, -3.7992
Hunter-Lab	47.8851, 4.3751, -15.3327

Details

The CIELCh color $55, 21.878, 292.773$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $67, 20.759, 108.012$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 21.637, 292.193$, and $35, 21.876, 292.807$ is the 20% darker color. If you saturate the color by 10%, you get $49, 32.116, 294.239$, and if you desaturate by 10%, it is $61, 12.056, 291.523$.

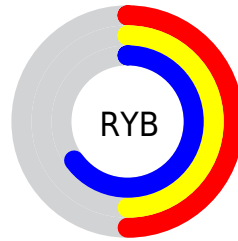
Distribution



Red (50%)

Green (50%)

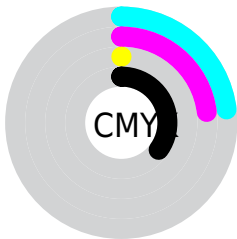
Blue (65%)



Red (50%)

Yellow (50%)

Blue (65%)

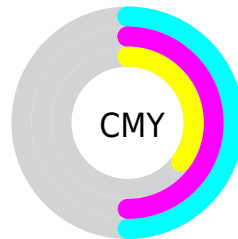


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (35%)



Cyan (50%)

Magenta (50%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 21.878, 292.773 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, 21.878, 292.773 by changing the saturation by 10% instead.

■ 55, 21.878,
292.773

■ 55, 21.878,
292.773

■ 100, 21.878,
292.773

■ 45, 21.878,
292.773

■ 75, 21.878,
292.773

■ 35, 21.878,
292.773

■ 85, 21.878,
292.773

■ 25, 21.878,
292.773

■ 95, 21.878,
292.773

■ 15, 21.878,
292.773

■ 5, 21.878, 292.773

■ 0, 21.878, 292.773

■ 55, 21.878,
292.773

■ 55, 21.878,
292.773

■ 49, 32.116,
294.239

■ 61, 12.056,
291.523

■ 43, 42.790,
295.946

■ 67, 2.625, 290.477

■ 72, 6.445, 109.543

■ 38, 53.867,
297.889

■ 78, 15.181,
108.778

■ 32, 65.188,
300.018

■ 84, 23.608,
108.120

■ 27, 76.302,
302.192

■ 89, 31.746,
107.554

■ 23, 86.241,
304.154

■ 95, 39.614,
107.066

■ 20, 93.507,
305.573

■ 98, 44.272,
106.795

■ 19, 97.216,

Harmonies

Complementary

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



55, 21.878, 292.773



67, 20.759, 108.012

Rectangle

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



55, 21.878, 292.773



55, 21.878, 342.773



55, 21.878, 112.773



55, 21.878, 162.773

Sweetspot

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



55, 21.877, 292.772



82, 8.058, 290.898



66, 13.523, 198.275



43, 5.283, 290.956



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, 21.877, 292.772



67, 32.369, 293.426



57, 22.928, 310.129



32, 5.323, 291.127



16, 89.150, 306.288



0, 9.559, 290.182

Inverse Universe

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



58, 25.826, 325.664



72, 37.823, 325.910



66, 22.233, 128.042



33, 6.429, 324.924



35, 76.985, 328.238



2, 11.671, 324.444

Previews

White Background



This preview shows how the CIELCh color 55, 21.878, 292.773 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, 21.878, 292.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

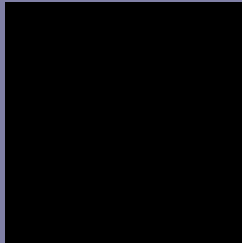
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 21.878, 292.773

Background



This preview shows how black text looks on a background with the CIELCh color 55, 21.878, 292.773.



This preview shows how white text looks on a background with the CIELCh color 55, 21.878, 292.773.

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

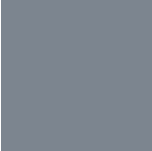
55, 21.878, 292.773

Protanopia

55, 21.935, 285.571

Deuteranopia

55, 21.284, 289.886



Tritanopia
55, 6.596, 260.010

Trichromacy



Original Color
55, 21.878, 292.773

Protanomaly
55, 21.885, 288.242

Deuteranomaly
55, 21.276, 290.817

Tritanomaly
55, 12.166, 282.972

Monochromacy



Original Color
55, 21.878, 292.773

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 8.046, 291.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 21.878, 292.773 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(128, 128, 166)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 166)  
}
```

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(128, 128, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 21.878, 292.773 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(128, 128, 166) }
```

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

```
.border{ border-color:rgb(128, 128, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 166);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 21.878, 292.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 166) }
```

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

```
.background{ background-color: rgb(128,  
128, 166) }
```

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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