

Converting Colors

CIELCh(55, 20.772, 220.705)

Have a look what the booklet for
CIELCh(55, 20.772, 220.705)
contains.

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Color

CIELCh(55, 20.610, 220.950)

Conversions

Conversions Part 1

Format	Color
Hex	508C9A
RGB	80, 140, 154
RGB Percent	31%, 55%, 60%
CMY	0.6848, 0.4495, 0.3946
CMYK	0.48, 0.09, 0.00, 0.39
HSL	191°, 32%, 46%
HSV	191°, 48%, 61%
XYZ	18.6348, 22.9298, 34.1771
YIQ	123.6560, -40.2540, -8.3660

Conversions

Conversions Part 2

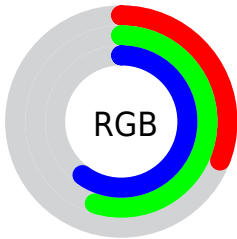
Format	Color
R_{YB}	80, 113, 154
Decimal	5278874
CIE _{Lab}	55.00, -15.57, -13.51
CIE _{LCh}	55, 20.610, 220.950
Yxy	22.9298, 0.2460, 0.3027
Android (android.graphics.Color)	4283468954 (0xFF508C9A)
YUV	123.6560, 14.9596, -38.2863
Hunter-Lab	47.8851, -14.3347, -8.7976

Details

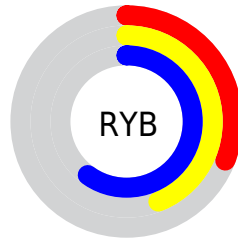
The CIELCh color `55, 20.610, 220.950` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `46, 29.313, 38.750`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 20.541, 219.847`, and `35, 20.689, 220.520` is the 20% darker color. If you saturate the color by 10%, you get `53, 23.618, 222.236`, and if you desaturate by 10%, it is `57, 17.067, 219.984`.

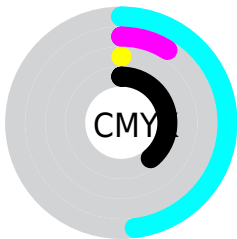
Distribution



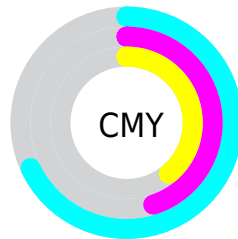
- Red (31%)
- Green (55%)
- Blue (60%)



- Red (31%)
- Yellow (44%)
- Blue (60%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (39%)





- Cyan (68%)
- Magenta (45%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 20.610, 220.950 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, 20.610, 220.950 by changing the saturation by 10% instead.


 55, 20.610,
220.950


 55, 20.610,
220.950


 100, 20.610,
220.950


 45, 20.610,
220.950


 75, 20.610,
220.950

 35, 20.610,
220.950

 85, 20.610,
220.950

 25, 20.610,
220.950

 95, 20.610,
220.950

 15, 20.610,
220.950

 5, 20.610, 220.950

 0, 20.610, 220.950

■ 55, 20.610,
220.950

■ 55, 20.610,
220.950

■ 53, 23.618,
222.236

■ 57, 17.067,
219.984

■ 52, 26.042,
223.919

■ 58, 13.058,
219.283

■ 51, 27.860,
226.073

■ 60, 8.655, 218.799

■ 50, 29.096,
228.770

■ 62, 3.932, 218.525

■ 49, 29.883,
231.983

■ 64, 1.045, 37.771

■ 48, 30.041,
232.653

■ 66, 6.218, 38.022

■ 68, 11.536, 38.024

■ 71, 16.959, 38.064

■ 73, 22.453, 38.143

Harmonies

Complementary

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



55, 20.610, 220.950



46, 29.313, 38.750

Rectangle

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



55, 20.610, 220.950



55, 20.610, 270.950



55, 20.610, 40.950



55, 20.610, 90.950

Sweetspot

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



55, 20.610, 220.948



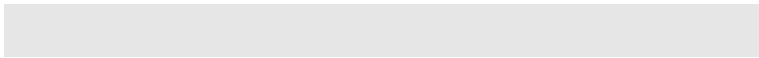
78, 8.480, 218.672



58, 44.174, 145.898



41, 5.868, 218.739



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



55, 20.610, 220.948



68, 29.166, 222.419



44, 30.764, 280.707



31, 2.772, 218.545



44, 27.995, 232.313



2, 3.043, 219.819

Inverse Universe

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



45, 43.943, 333.215



54, 64.231, 333.998



56, 30.618, 86.304



30, 5.209, 330.681



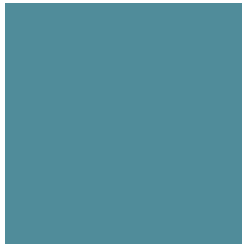
31, 64.136, 337.264



1, 5.542, 330.624

Previews

White Background



This preview shows how the CIELCh color 55, 20.610, 220.950 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, 20.610, 220.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

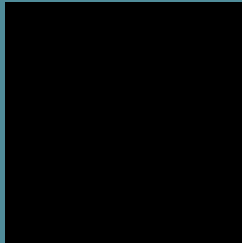
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 20.610, 220.950

Background



This preview shows how black text looks on a background with the CIELCh color 55, 20.610, 220.950.



This preview shows how white text looks on a background with the CIELCh color 55, 20.610, 220.950.

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, 20.610, 220.950

Protanopia

55, 10.370, 287.313

Deuteranopia

55, 16.764, 295.898



Tritanopia
55, 20.545, 215.742

Trichromacy



Original Color
55, 20.610, 220.950

Protanomaly
55, 12.121, 248.551

Deuteranomaly
54, 15.126, 265.635

Tritanomaly
55, 20.630, 217.385

Monochromacy



Original Color
55, 20.610, 220.950

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 8.623, 218.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 20.610, 220.950 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(80, 140, 154)` looks like.

```
.text, #text, p{  
    color:rgb(80, 140, 154)  
}
```

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(80, 140, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 140, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 20.610, 220.950 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(80, 140, 154) }
```

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

```
.border{ border-color:rgb(80, 140, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 140, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 140, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 140, 154);  
box-shadow:4px 4px 4px 4px rgb(80, 140,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 20.610, 220.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 140, 154) }
```

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

```
.background{ background-color: rgb(80, 140,  
154) }
```

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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