

Converting Colors

CIELCh(55, 21.713, 243.359)

Have a look what the booklet for
CIELCh(55, 21.713, 243.359)
contains.

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Color

CIELCh(55, 21.808, 244.067)

Conversions

Conversions Part 1

Format	Color
Hex	578AA5
RGB	87, 138, 165
RGB Percent	34%, 54%, 65%
CMY	0.6587, 0.4587, 0.3528
CMYK	0.47, 0.16, 0.00, 0.35
HSL	201°, 31%, 49%
HSV	201°, 47%, 65%
XYZ	19.8194, 22.9298, 38.9917
YIQ	125.8290, -39.0630, -2.4150

Conversions

Conversions Part 2

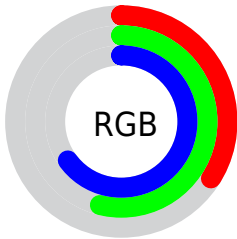
Format	Color
R_{YB}	87, 118, 165
Decimal	5737125
CIE _{Lab}	55.00, -9.54, -19.61
CIE _{LCh}	55, 21.808, 244.067
Yxy	22.9298, 0.2425, 0.2805
Android (android.graphics.Color)	4283927205 (0xFF578AA5)
YUV	125.8290, 19.3113, -34.0530
Hunter-Lab	47.8851, -9.9186, -14.7589

Details

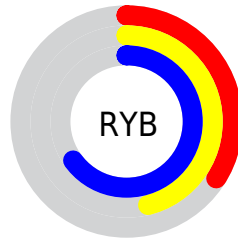
The CIELCh color **55, 21.808, 244.067** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **53, 28.524, 53.810**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 21.817, 244.793**, and **35, 21.738, 244.325** is the 20% darker color. If you saturate the color by 10%, you get **53, 25.558, 246.579**, and if you desaturate by 10%, it is **58, 17.703, 242.027**.

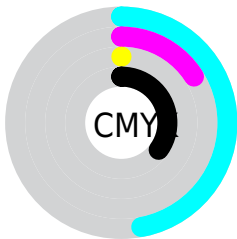
Distribution



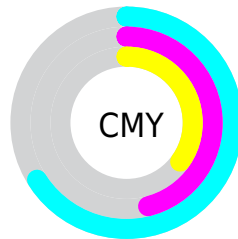
- Red (34%)
- Green (54%)
- Blue (65%)



- Red (34%)
- Yellow (46%)
- Blue (65%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (35%)





- Cyan (66%)
- Magenta (46%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 21.808, 244.067 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, 21.808, 244.067 by changing the saturation by 10% instead.

 55, 21.808,
244.067


 55, 21.808,
244.067


 100, 21.808,
244.067


 45, 21.808,
244.067


 75, 21.808,
244.067

 35, 21.808,
244.067

 85, 21.808,
244.067

 25, 21.808,
244.067

 95, 21.808,
244.067

 15, 21.808,
244.067

 5, 21.808, 244.067

 0, 21.808, 244.067

■ 55, 21.808,
244.067

■ 55, 21.808,
244.067

■ 53, 25.558,
246.579

■ 58, 17.703,
242.027

■ 50, 28.940,
249.646

■ 60, 13.283,
240.383

■ 48, 31.975,
253.330

■ 63, 8.593, 239.066

■ 46, 34.732,
257.644

■ 66, 3.682, 238.051

■ 69, 1.402, 56.767

■ 44, 37.350,
262.458

■ 71, 6.620, 56.288

■ 43, 38.093,
263.739

■ 74, 11.934, 55.732

■ 77, 17.316, 55.262

■ 80, 22.741, 54.870

Harmonies

Complementary

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



55, 21.808, 244.067



53, 28.524, 53.810

Rectangle

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



55, 21.808, 244.067



55, 21.808, 294.067



55, 21.808, 64.067



55, 21.808, 114.067

Sweetspot

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



55, 21.807, 244.066



81, 8.667, 238.727



62, 41.032, 151.308



42, 5.949, 238.955



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, 21.807, 244.066



67, 31.370, 246.797



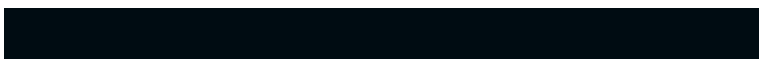
44, 38.931, 289.704



33, 2.832, 238.225



38, 34.477, 263.140



3, 4.542, 244.363

Inverse Universe

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



48, 41.277, 340.053



57, 60.086, 341.204



63, 36.036, 97.000



32, 4.914, 336.826



32, 59.283, 347.912



1, 7.280, 338.806

Previews

White Background



This preview shows how the CIE LCh color 55, 21.808, 244.067 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, 21.808, 244.067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

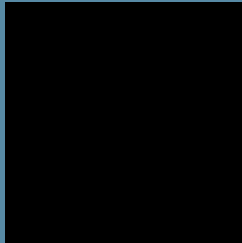
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

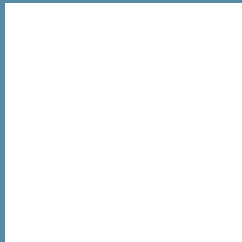
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 21.808, 244.067

Background



This preview shows how black text looks on a background with the CIELCh color 55, 21.808, 244.067.



This preview shows how white text looks on a background with the CIELCh color 55, 21.808, 244.067.

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, 21.808, 244.067

Protanopia
55, 16.729, 286.052

Deuteranopia
55, 21.868, 289.135



Tritanopia
55, 19.653, 218.507

Trichromacy



Original Color
55, 21.808, 244.067

Protanomaly
55, 17.518, 266.506

Deuteranomaly
55, 20.531, 272.309

Tritanomaly
55, 20.133, 229.173

Monochromacy



Original Color
55, 21.808, 244.067

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 8.688, 240.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 21.808, 244.067 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(87, 138, 165)` looks like.

```
.text, #text, p{  
    color:rgb(87, 138, 165)  
}
```

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(87, 138, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 138, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 21.808, 244.067 is called "border". The border property can be set on classes, ids or directly on the HTML element.

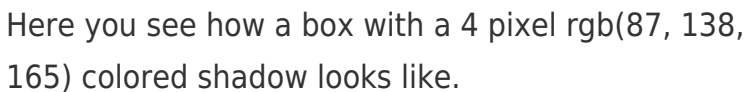
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 138, 165) }
```

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

```
.border{ border-color:rgb(87, 138, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(87, 138, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 138, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 138, 165); box-shadow:4px 4px 4px 4px rgb(87, 138, 165) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 21.808, 244.067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 138, 165) }
```

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

```
.background{ background-color: rgb(87, 138,  
165) }
```

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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