

Converting Colors

CIELCh(55, 25.820, 250.137)

Have a look what the booklet for
CIELCh(55, 25.820, 250.137)
contains.

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Color

CIELCh(55, 25.814, 250.058)

Conversions

Conversions Part 1

Format	Color
Hex	508AAD
RGB	80, 138, 173
RGB Percent	31%, 54%, 68%
CMY	0.6859, 0.4585, 0.3212
CMYK	0.54, 0.20, 0.00, 0.32
HSL	203°, 37%, 50%
HSV	203°, 54%, 68%
XYZ	19.9667, 22.9298, 42.9519
YIQ	124.6480, -45.8030, -1.4110

Conversions

Conversions Part 2

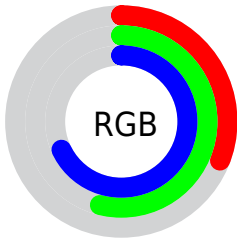
Format	Color
R _Y B	80, 116, 173
Decimal	5278381
CIE Lab	55.00, -8.80, -24.27
CIE LCh	55, 25.814, 250.058
Yxy	22.9298, 0.2326, 0.2671
Android (android.graphics.Color)	4283468461 (0xFF508AAD)
YUV	124.6480, 23.8375, -39.1563
Hunter-Lab	47.8851, -9.3695, -19.6622

Details

The CIELCh color **55, 25.814, 250.058** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **54, 34.306, 56.430**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 26.100, 250.904**, and **35, 26.021, 251.008** is the 20% darker color. If you saturate the color by 10%, you get **52, 29.711, 253.076**, and if you desaturate by 10%, it is **58, 21.590, 247.569**.

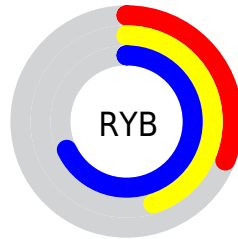
Distribution



Red (31%)

Green (54%)

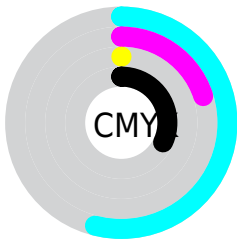
Blue (68%)



Red (31%)

Yellow (45%)

Blue (68%)

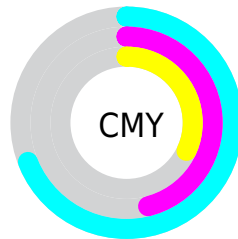


Cyan (54%)

Magenta (20%)

Yellow (0%)

Black (32%)



Cyan (69%)


Magenta (46%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 25.814, 250.058 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, 25.814, 250.058 by changing the saturation by 10% instead.


 55, 25.814,
250.058


 55, 25.814,
250.058


 100, 25.814,
250.058


 45, 25.814,
250.058


 75, 25.814,
250.058

 35, 25.814,
250.058

 85, 25.814,
250.058

 25, 25.814,
250.058

 95, 25.814,
250.058

 15, 25.814,
250.058

 5, 25.814, 250.058

 0, 25.814, 250.058

■ 55, 25.814,
250.058

■ 55, 25.814,
250.058

■ 52, 29.711,
253.076

■ 58, 21.590,
247.569

■ 50, 33.300,
256.686

■ 61, 17.057,
245.536

■ 47, 36.640,
260.903

■ 64, 12.250,
243.882

■ 45, 39.843,
265.663

■ 67, 7.213, 242.547

■ 44, 41.893,
268.688

■ 70, 1.990, 241.586

■ 73, 3.375, 60.341

■ 76, 8.847, 59.660

■ 79, 14.394, 59.047

■ 82, 19.990, 58.526

Harmonies

Complementary

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



55, 25.814, 250.058



54, 34.306, 56.430

Rectangle

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



55, 25.814, 250.058



55, 25.814, 300.058



55, 25.814, 70.058



55, 25.814, 120.058

Sweetspot

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



55, 25.813, 250.057



83, 10.340, 242.860



64, 46.726, 151.785



43, 6.948, 243.115



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



55, 25.813, 250.057



67, 36.694, 253.541



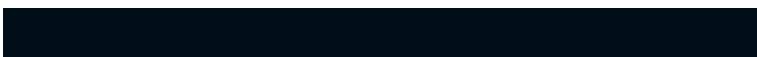
42, 48.545, 292.805



35, 3.000, 242.055



38, 37.479, 268.056



3, 6.713, 252.331

Inverse Universe

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



48, 47.256, 342.320



57, 67.076, 343.780



66, 43.535, 98.256



34, 5.058, 338.186



33, 59.792, 350.399



2, 9.901, 342.168

Previews

White Background



This preview shows how the CIELCh color 55, 25.814, 250.058 looks on a white background.

Color Contrast Check

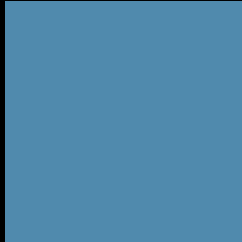
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.814, 250.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

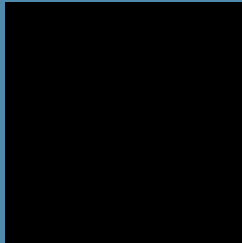
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 25.814, 250.058

Background



This preview shows how black text looks on a background with the CIELCh color 55, 25.814, 250.058.

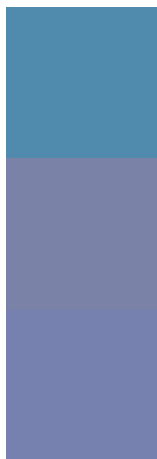


This preview shows how white text looks on a background with the CIELCh color 55, 25.814, 250.058.

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, 25.814, 250.058

Protanopia

55, 21.369, 285.288

Deuteranopia

55, 26.558, 286.117



Tritanopia
55, 22.425, 214.014

Trichromacy



Original Color
55, 25.814, 250.058

Protanomaly
55, 22.058, 269.688

Deuteranomaly
55, 25.301, 272.910

Tritanomaly
55, 22.483, 227.074

Monochromacy



Original Color
55, 25.814, 250.058

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 10.171, 242.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 25.814, 250.058 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, 138, 173)` looks like.

```
.text, #text, p{  
    color:rgb(80, 138, 173)  
}
```

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, 138, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 138, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 25.814, 250.058 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, 138, 173) }
```

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

```
.border{ border-color:rgb(80, 138, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 138, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 138, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 138, 173);  
box-shadow:4px 4px 4px 4px rgb(80, 138,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 25.814, 250.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 138, 173) }
```

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

```
.background{ background-color: rgb(80, 138,  
173) }
```

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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