

Converting Colors

CIELCh(55, 21.134, 300.354)

Have a look what the booklet for
CIELCh(55, 21.134, 300.354)
contains.

CIELCh(55, 20.981, 300.469)	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, 20.981, 300.469)

Conversions

Conversions Part 1

Format	Color
Hex	877FA3
RGB	135, 127, 163
RGB Percent	53%, 50%, 64%
CMY	0.4710, 0.5024, 0.3613
CMYK	0.17, 0.22, 0.00, 0.36
HSL	253°, 16%, 57%
HSV	253°, 22%, 64%
XYZ	24.1470, 22.9298, 37.7463
YIQ	133.4960, -6.7880, 12.8920

Conversions

Conversions Part 2

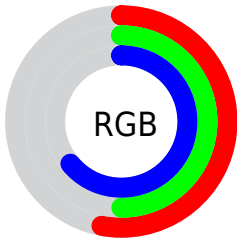
Format	Color
R_{YB}	135, 127, 163
Decimal	8880035
CIE Lab	55.00, 10.64, -18.08
CIE LCh	55, 20.981, 300.469
Yxy	22.9298, 0.2847, 0.2703
Android (android.graphics.Color)	4287070115 (0xFF877FA3)
YUV	133.4960, 14.5455, 1.3190
Hunter-Lab	47.8851, 6.2131, -13.2169

Details

The CIELCh color $55, 20.981, 300.469$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $65, 20.039, 117.420$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 20.843, 300.638$, and $35, 20.854, 300.710$ is the 20% darker color. If you saturate the color by 10%, you get $50, 31.039, 301.374$, and if you desaturate by 10%, it is $60, 11.276, 299.671$.

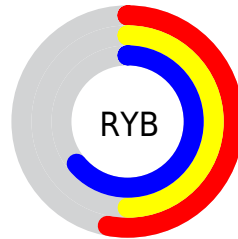
Distribution



Red (53%)

Green (50%)

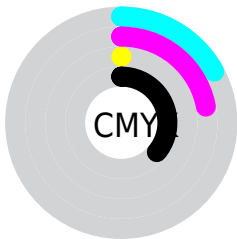
Blue (64%)



Red (53%)

Yellow (50%)

Blue (64%)

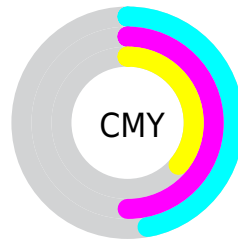


Cyan (17%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (47%)


Magenta (50%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 20.981, 300.469 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, 20.981, 300.469 by changing the saturation by 10% instead.

 55, 20.981,
300.469


 55, 20.981,
300.469

 100, 20.981,
300.469


 45, 20.981,
300.469


 75, 20.981,
300.469

 35, 20.981,
300.469

 85, 20.981,
300.469

 25, 20.981,
300.469

 95, 20.981,
300.469

 15, 20.981,
300.469

 5, 20.981, 300.469

 0, 20.981, 300.469

■ 55, 20.981,
300.469

■ 55, 20.981,
300.469

■ 50, 31.039,
301.374

■ 60, 11.276,
299.671

■ 44, 41.432,
302.390

■ 66, 1.926, 298.970

■ 71, 7.086, 118.381

■ 39, 52.080,
303.501

■ 77, 15.779,
117.861

■ 34, 62.792,
304.662

■ 82, 24.172,
117.413

■ 29, 73.166,
305.787

■ 87, 32.283,
117.028

■ 25, 82.470,
306.726


■ 92, 40.131,
116.696

■ 22, 89.643,
307.276

■ 97, 46.609,
115.659

■ 20, 93.884,

307.526

 98, 46.047,
109.635

Harmonies

Complementary

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



55, 20.981, 300.469



65, 20.039, 117.420

Rectangle

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



55, 20.981, 300.469



55, 20.981, 350.469



55, 20.981, 120.469



55, 20.981, 170.469

Sweetspot

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



55, 20.980, 300.468



80, 8.006, 299.313



62, 10.862, 222.478



42, 5.248, 299.352



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, 20.980, 300.468



67, 32.045, 300.944



57, 22.773, 317.180



32, 5.255, 299.464



17, 86.276, 307.598



1, 8.037, 298.040

Inverse Universe

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



57, 21.067, 332.712



70, 31.867, 333.079



64, 22.429, 135.256



32, 5.369, 331.860



32, 64.242, 339.273



1, 8.005, 333.216

Previews

White Background



This preview shows how the CIELCh color 55, 20.981, 300.469 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, 20.981, 300.469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

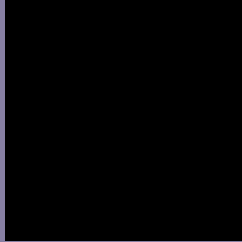
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 20.981, 300.469

Background



This preview shows how black text looks on a background with the CIELCh color 55, 20.981, 300.469.



This preview shows how white text looks on a background with the CIELCh color 55, 20.981, 300.469.

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, 20.981, 300.469

Protanopia

55, 20.202, 285.646

Deuteranopia

55, 18.985, 292.433



Tritanopia
55, 5.749, 290.879

Trichromacy



Original Color
55, 20.981, 300.469

Protanomaly
55, 20.132, 290.567

Deuteranomaly
55, 19.628, 295.628

Tritanomaly
55, 10.966, 295.398

Monochromacy



Original Color
55, 20.981, 300.469

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 7.574, 299.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 20.981, 300.469 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(135, 127, 163)` looks like.

```
.text, #text, p{  
    color:rgb(135, 127, 163)  
}
```

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(135, 127, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 127, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 20.981, 300.469 is called "border". The border property can be set on classes, ids or directly on the HTML element.

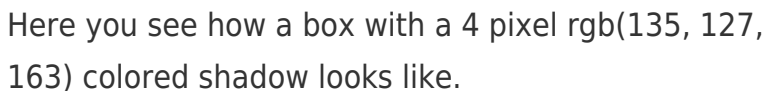
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 127, 163) }
```

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

```
.border{ border-color:rgb(135, 127, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 127, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 127, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 127, 163);  
box-shadow:4px 4px 4px 4px rgb(135, 127,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 20.981, 300.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 127, 163) }
```

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

```
.background{ background-color: rgb(135,  
127, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor