

Converting Colors

CIELCh(55, 18.412, 292.368)

Have a look what the booklet for
CIELCh(55, 18.412, 292.368)
contains.

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Color

CIELCh(55, 18.412, 292.368)

Conversions

Conversions Part 1

Format	Color
Hex	8181A1
RGB	129, 129, 161
RGB Percent	51%, 51%, 63%
CMY	0.4942, 0.4942, 0.3687
CMYK	0.20, 0.20, 0.00, 0.37
HSL	240°, 15%, 57%
HSV	240°, 20%, 63%
XYZ	23.3256, 22.9298, 36.9009
YIQ	132.6480, -10.2720, 9.9520

Conversions

Conversions Part 2

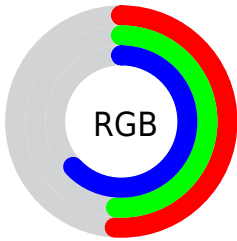
Format	Color
R_{YB}	129, 129, 161
Decimal	8487329
CIE Lab	55.00, 7.01, -17.03
CIE LCh	55, 18.412, 292.368
Yxy	22.9298, 0.2805, 0.2757
Android (android.graphics.Color)	4286677409 (0xFF8181A1)
YUV	132.6480, 13.9775, -3.1993
Hunter-Lab	47.8851, 3.1513, -12.1700

Details

The CIELCh color $55, 18.412, 292.368$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $65, 17.601, 108.292$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 18.381, 291.893$, and $35, 18.115, 291.977$ is the 20% darker color. If you saturate the color by 10%, you get $49, 28.250, 293.762$, and if you desaturate by 10%, it is $61, 8.970, 291.181$.

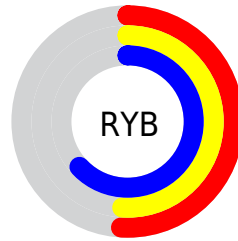
Distribution



Red (51%)

Green (51%)

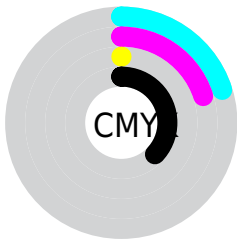
Blue (63%)



Red (51%)

Yellow (51%)

Blue (63%)

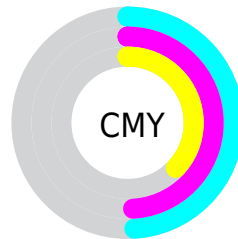


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (37%)



Cyan (49%)


Magenta (49%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 18.412, 292.368 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, 18.412, 292.368 by changing the saturation by 10% instead.


 55, 18.412,
292.368


 55, 18.412,
292.368


 100, 18.412,
292.368


 45, 18.412,
292.368


 75, 18.412,
292.368

 35, 18.412,
292.368

 85, 18.412,
292.368

 25, 18.412,
292.368

 95, 18.412,
292.368

 15, 18.412,
292.368

 5, 18.412, 292.368

 0, 18.412, 292.368

■ 55, 18.412,
292.368

■ 55, 18.412,
292.368

■ 49, 28.250,
293.762

■ 61, 8.970, 291.181

■ 44, 38.508,
295.390

■ 66, 0.100, 109.617

■ 72, 8.828, 109.299

■ 38, 49.175,
297.258

■ 77, 17.240,
108.568

■ 33, 60.148,
299.335

■ 83, 25.357,
107.940

■ 28, 71.102,
301.512

■ 88, 33.199,
107.399

■ 23, 81.276,
303.571

■ 94, 40.785,
106.931

■ 20, 89.348,
305.195

■ 98, 46.895,
106.593

■ 18, 94.794,

306.273

■ 18, 94.860,
306.287

Harmonies

Complementary

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



55, 18.412, 292.368



65, 17.601, 108.292

Rectangle

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



55, 18.412, 292.368



55, 18.412, 342.368



55, 18.412, 112.368



55, 18.412, 162.368

Sweetspot

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



55, 18.411, 292.367



80, 6.696, 290.785



64, 11.593, 196.938



41, 4.437, 290.846



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



55, 18.411, 292.367



67, 27.763, 292.977



56, 19.282, 309.409



31, 5.189, 291.116



16, 88.023, 306.286



0, 7.946, 290.176

Inverse Universe

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



57, 13.139, 20.780



70, 19.973, 21.224



64, 18.757, 127.590



32, 3.629, 19.899



30, 68.062, 39.262



1, 5.464, 19.401

Previews

White Background



This preview shows how the CIELCh color 55, 18.412, 292.368 looks on a white background.

Color Contrast Check

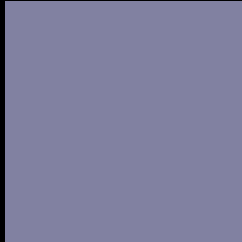
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.412, 292.368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

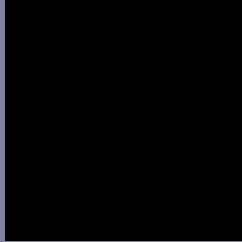
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

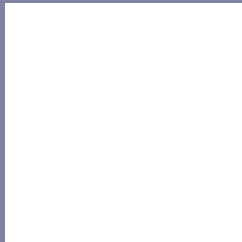
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 18.412, 292.368

Background



This preview shows how black text looks on a background with the CIELCh color 55, 18.412, 292.368.



This preview shows how white text looks on a background with the CIELCh color 55, 18.412, 292.368.

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

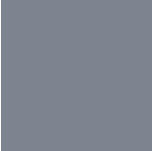
55, 18.412, 292.368

Protanopia

55, 18.466, 285.798

Deuteranopia

55, 18.420, 293.477



Tritanopia
55, 6.667, 271.100

Trichromacy



Original Color
55, 18.412, 292.368

Protanomaly
55, 18.415, 287.959

Deuteranomaly
55, 18.420, 293.477

Tritanomaly
55, 10.988, 283.765

Monochromacy



Original Color
55, 18.412, 292.368

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 6.315, 290.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 18.412, 292.368 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(129, 129, 161)` looks like.

```
.text, #text, p{  
    color:rgb(129, 129, 161)  
}
```

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(129, 129, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 129, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 18.412, 292.368 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(129, 129, 161) }
```

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

```
.border{ border-color:rgb(129, 129, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 129, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 129, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 129, 161);  
box-shadow:4px 4px 4px 4px rgb(129, 129,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 18.412, 292.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 129, 161) }
```

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

```
.background{ background-color: rgb(129,  
129, 161) }
```

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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