

Converting Colors

CIELCh(55, 62.641, 306.752)

Have a look what the booklet for
CIELCh(55, 62.641, 306.752)
contains.

CIELCh(55, 62.193, 306.582)	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, 62.193, 306.582)

Conversions

Conversions Part 1

Format	Color
Hex	9470DB
RGB	148, 112, 219
RGB Percent	58%, 44%, 86%
CMY	0.4204, 0.5615, 0.1420
CMYK	0.32, 0.49, 0.00, 0.14
HSL	260°, 60%, 65%
HSV	260°, 49%, 86%
XYZ	30.7107, 22.9298, 69.6855
YIQ	134.9620, -12.8910, 40.9090

Conversions

Conversions Part 2

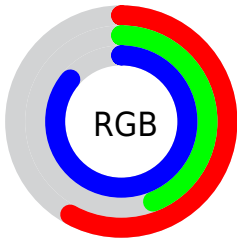
Format	Color
RYB	148, 112, 219
Decimal	9728219
CIELab	55.00, 37.07, -49.94
CIELCh	55, 62.193, 306.582
Yxy	22.9298, 0.2490, 0.1859
Android (android.graphics.Color)	4287918299 (0xFF9470DB)
YUV	134.9620, 41.4307, 11.4343
Hunter-Lab	47.8851, 30.6805, -52.7630

Details

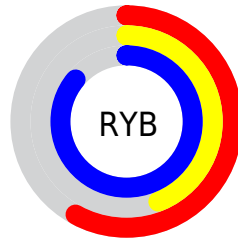
The CIELCh color $55, 62.193, 306.582$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $83, 56.164, 120.540$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 51.143, 309.249$, and $35, 61.961, 306.551$ is the 20% darker color. If you saturate the color by 10%, you get $49, 75.522, 307.414$, and if you desaturate by 10%, it is $61, 48.842, 305.759$.

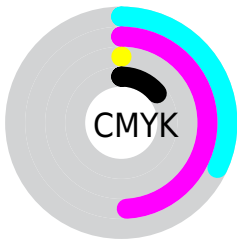
Distribution



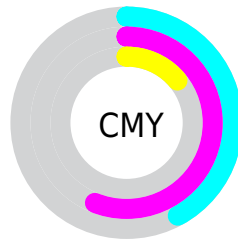
- Red (58%)
- Green (44%)
- Blue (86%)



- Red (58%)
- Yellow (44%)
- Blue (86%)



- Cyan (32%)
- Magenta (49%)
- Yellow (0%)
- Black (14%)





- Cyan (42%)
- Magenta (56%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 62.193, 306.582 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, 62.193, 306.582 by changing the saturation by 10% instead.


 55, 62.193,
306.582


 55, 62.193,
306.582


 100, 62.193,
306.582


 45, 62.193,
306.582


 75, 62.193,
306.582

 35, 62.193,
306.582

 85, 62.193,
306.582

 25, 62.193,
306.582

 95, 62.193,
306.582

 15, 62.193,
306.582

 5, 62.193, 306.582

 0, 62.193, 306.582

55, 62.193,
306.582

55, 62.193,
306.582

49, 75.522,
307.414

61, 48.842,
305.759

43, 88.342,
308.178

68, 35.729,
304.986

38, 99.830,
308.753

75, 22.977,
304.281

34, 108.833,
308.975

81, 10.634,
303.650

31, 114.532,
308.747

88, 1.290, 123.154

31, 115.088,
308.723

95, 12.802,
122.625

99, 18.440,
115.132

99, 18.305,
108.793

Harmonies

Complementary

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



55, 62.193, 306.582



83, 56.164, 120.540

Rectangle

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



55, 62.193, 306.582



55, 62.193, 356.582



55, 62.193, 126.582



55, 62.193, 176.582

Sweetspot

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



55, 62.192, 306.582



89, 20.524, 304.035



71, 27.938, 242.793



46, 14.053, 304.173



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 62.192, 306.582



56, 85.689, 307.464



61, 65.394, 321.922



43, 6.807, 303.683



23, 96.570, 308.875



3, 30.317, 303.510

Inverse Universe

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



62, 53.810, 339.832



66, 71.483, 340.995



80, 64.465, 136.799



43, 6.318, 336.427



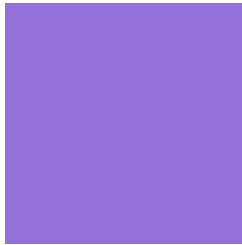
38, 67.681, 347.531



6, 27.371, 343.386

Previews

White Background



This preview shows how the CIELCh color 55, 62.193, 306.582 looks on a white background.

Color Contrast Check

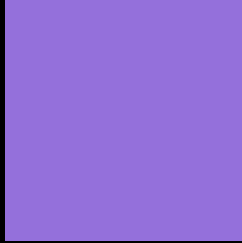
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.193, 306.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

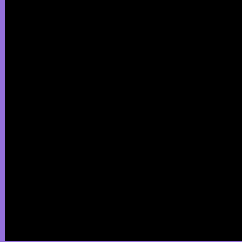
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 62.193, 306.582

Background



This preview shows how black text looks on a background with the CIELCh color 55, 62.193, 306.582.



This preview shows how white text looks on a background with the CIELCh color 55, 62.193, 306.582.

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, 62.193, 306.582

Protanopia
55, 60.950, 286.855

Deuteranopia
55, 47.951, 279.908



Tritanopia
55, 6.389, 297.841

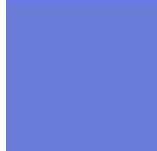
Trichromacy



Original Color
55, 62.193, 306.582



Protanomaly
55, 60.742, 293.083



Deuteranomaly
55, 52.273, 290.167



Tritanomaly
54, 27.154, 304.478

Monochromacy



Original Color
55, 62.193, 306.582



Achromatopsia
56, 0.007, 296.813



Achromatomaly
56, 22.418, 304.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 62.193, 306.582 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(148, 112, 219)` looks like.

```
.text, #text, p{  
    color:rgb(148, 112, 219)  
}
```

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(148, 112, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 112, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 62.193, 306.582 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(148, 112, 219) }
```

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

```
.border{ border-color:rgb(148, 112, 219) }
```

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

Here you see how a box with a 4 pixel rgb(148, 112, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 112, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 112, 219);  
box-shadow:4px 4px 4px 4px rgb(148, 112,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 62.193, 306.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 112, 219) }
```

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

```
.background{ background-color: rgb(148,  
112, 219) }
```

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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