

Converting Colors

CIELCh(55, 31.809, 352.573)

Have a look what the booklet for
CIELCh(55, 31.809, 352.573)
contains.

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Color

CIELCh(55, 31.629, 352.271)

Conversions

Conversions Part 1

Format	Color
Hex	B46F8C
RGB	180, 111, 140
RGB Percent	71%, 44%, 55%
CMY	0.2945, 0.5651, 0.4514
CMYK	0.00, 0.38, 0.22, 0.29
HSL	335°, 31%, 57%
HSV	335°, 38%, 71%
XYZ	29.1992, 22.9298, 27.6609
YIQ	134.9370, 31.8150, 23.6470

Conversions

Conversions Part 2

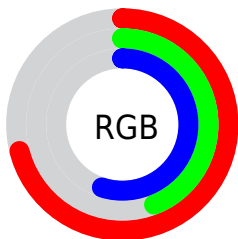
Format	Color
R_{YB}	180, 111, 140
Decimal	11825036
CIE _{Lab}	55.00, 31.34, -4.25
CIE _{LCh}	55, 31.629, 352.271
Yxy	22.9298, 0.3660, 0.2874
Android (android.graphics.Color)	4290015116 (0xFFB46F8C)
YUV	134.9370, 2.4961, 39.5203
Hunter-Lab	47.8851, 25.0462, -0.7293

Details

The CIELCh color **55, 31.629, 352.271** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **68, 29.549, 164.346**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 31.551, 351.942**, and **35, 32.000, 352.365** is the 20% darker color. If you saturate the color by 10%, you get **51, 39.730, 353.793**, and if you desaturate by 10%, it is **60, 23.275, 350.984**.

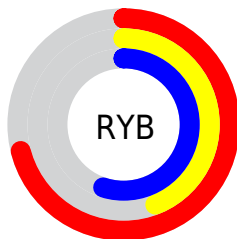
Distribution



Red (71%)

Green (44%)

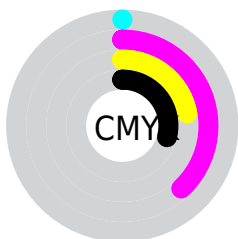
Blue (55%)



Red (71%)

Yellow (44%)

Blue (55%)

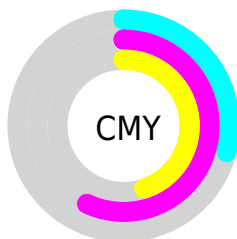


Cyan (0%)

Magenta (38%)

Yellow (22%)

Black (29%)



Cyan (29%)


Magenta (57%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 31.629, 352.271 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, 31.629, 352.271 by changing the saturation by 10% instead.


 55, 31.629,
352.271


 55, 31.629,
352.271


 100, 31.629,
352.271


 45, 31.629,
352.271


 75, 31.629,
352.271

 35, 31.629,
352.271

 85, 31.629,
352.271

 25, 31.629,
352.271

 95, 31.629,
352.271

 15, 31.629,
352.271

 5, 31.629, 352.271

 0, 31.629, 352.271

55, 31.629,
352.271

55, 31.629,
352.271

51, 39.730,
353.793

60, 23.275,
350.984

47, 47.256,
355.632

64, 14.912,
349.865

44, 53.805,
357.908

69, 6.692, 348.857

41, 58.981, 0.775

74, 1.295, 168.358

39, 62.542, 4.406

79, 9.005, 167.308

38, 64.717, 8.844

84, 16.422,
166.575

38, 65.075, 9.591

89, 23.549,
165.916

95, 30.398,
165.312

■ 95, 27.523,
174.248

Harmonies

Complementary

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



55, 31.629, 352.271



68, 29.549, 164.346

Rectangle

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



55, 31.629, 352.271



55, 31.629, 42.271



55, 31.629, 172.271



55, 31.629, 222.271

Sweetspot

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



55, 31.627, 352.273



86, 12.003, 349.238



53, 42.115, 313.107



44, 7.969, 349.366



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 31.627, 352.273



66, 46.961, 353.538



55, 28.055, 27.836



35, 4.517, 348.953



32, 57.710, 8.884



2, 10.179, 354.253

Inverse Universe

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



55, 31.627, 352.273



66, 46.961, 353.538



68, 21.273, 204.636



35, 4.517, 348.953



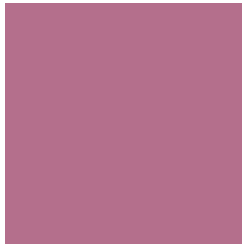
32, 57.710, 8.884



2, 10.179, 354.253

Previews

White Background



This preview shows how the CIELCh color 55, 31.629, 352.271 looks on a white background.

Color Contrast Check

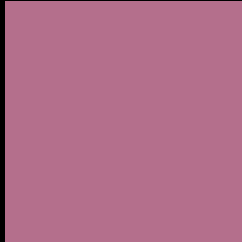
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.629, 352.271 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, 31.629, 352.271

Background



This preview shows how black text looks on a background with the CIELCh color 55, 31.629, 352.271.



This preview shows how white text looks on a background with the CIELCh color 55, 31.629, 352.271.

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, 31.629, 352.271

Protanopia

55, 12.664, 286.712

Deuteranopia

55, 7.882, 339.367



Tritanopia
55, 27.058, 11.956

Trichromacy



Original Color
55, 31.629, 352.271

Protanomaly
55, 16.434, 324.135

Deuteranomaly
55, 16.306, 347.199

Tritanomaly
55, 28.328, 4.426

Monochromacy



Original Color
55, 31.629, 352.271

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 11.773, 348.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 31.629, 352.271 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(180, 111, 140)` looks like.

```
.text, #text, p{  
    color:rgb(180, 111, 140)  
}
```

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(180, 111, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 111, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 31.629, 352.271 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(180, 111, 140) }
```

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

```
.border{ border-color:rgb(180, 111, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 111, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 111, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 111, 140);  
box-shadow:4px 4px 4px 4px rgb(180, 111,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 31.629, 352.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 111, 140) }
```

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

```
.background{ background-color: rgb(180,  
111, 140) }
```

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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