

Converting Colors

CIELCh(55, 23.676, 339.918)

Have a look what the booklet for
CIELCh(55, 23.676, 339.918)
contains.

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Color

CIELCh(55, 23.677, 339.745)

Conversions

Conversions Part 1

Format	Color
Hex	A37692
RGB	163, 118, 146
RGB Percent	64%, 46%, 57%
CMY	0.3596, 0.5361, 0.4263
CMYK	0.00, 0.28, 0.10, 0.36
HSL	323°, 20%, 55%
HSV	323°, 28%, 64%
XYZ	26.8925, 22.9298, 30.3254
YIQ	134.6470, 17.8320, 18.2480

Conversions

Conversions Part 2

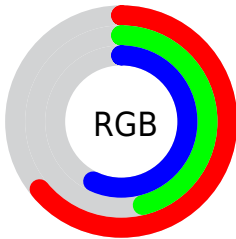
Format	Color
R_{YB}	163, 118, 146
Decimal	10712722
CIE _{Lab}	55.00, 22.21, -8.20
CIE _{LCh}	55, 23.677, 339.745
Yxy	22.9298, 0.3355, 0.2861
Android (android.graphics.Color)	4288902802 (0xFFA37692)
YUV	134.6470, 5.5970, 24.8656
Hunter-Lab	47.8851, 16.4477, -4.0285

Details

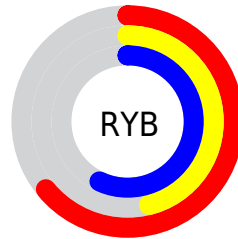
The CIELCh color $55, 23.677, 339.745$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 23.275, 155.350$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 23.305, 339.512$, and $35, 23.978, 339.552$ is the 20% darker color. If you saturate the color by 10%, you get $51, 32.201, 340.662$, and if you desaturate by 10%, it is $59, 15.024, 338.906$.

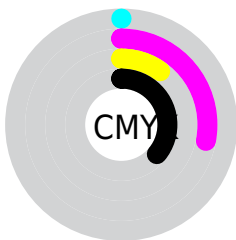
Distribution



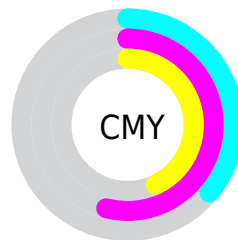
- Red (64%)
- Green (46%)
- Blue (57%)



- Red (64%)
- Yellow (46%)
- Blue (57%)



- Cyan (0%)
- Magenta (28%)
- Yellow (10%)
- Black (36%)





- Cyan (36%)
- Magenta (54%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 23.677, 339.745 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, 23.677, 339.745 by changing the saturation by 10% instead.


 55, 23.677,
339.745


 55, 23.677,
339.745


 100, 23.677,
339.745


 45, 23.677,
339.745


 75, 23.677,
339.745

 35, 23.677,
339.745

 85, 23.677,
339.745

 25, 23.677,
339.745

 95, 23.677,
339.745

 15, 23.677,
339.745

 5, 23.677, 339.745

 0, 23.677, 339.745

55, 23.677,
339.745

55, 23.677,
339.745

51, 32.201,
340.662

59, 15.024,
338.906

47, 40.354,
341.679

64, 6.419, 338.111

44, 47.801,
342.832

68, 2.035, 157.602

41, 54.138,
344.173

73, 10.276,
156.817

38, 58.952,
345.775

77, 18.272,
156.184

37, 61.929,
347.735

82, 26.014,
155.600


36, 63.143,
350.124

87, 33.504,
155.055

36, 63.376,

91, 40.752,
154.545

350.728

 93, 41.938,
156.247

Harmonies

Complementary

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



55, 23.677, 339.745



63, 23.275, 155.350

Rectangle

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



55, 23.677, 339.745



55, 23.677, 29.745



55, 23.677, 159.745



55, 23.677, 209.745

Sweetspot

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



55, 23.675, 339.746



80, 8.388, 338.158



53, 26.880, 305.879



42, 6.017, 338.273



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, 23.675, 339.746



67, 34.993, 340.289



54, 18.916, 11.261



32, 4.805, 338.247



31, 58.294, 350.427



1, 7.119, 340.296

Inverse Universe

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



55, 23.675, 339.746



67, 34.993, 340.289



64, 16.521, 186.214



32, 4.805, 338.247



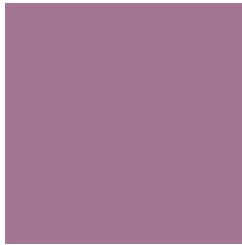
31, 58.294, 350.427



1, 7.119, 340.296

Previews

White Background



This preview shows how the CIELCh color 55, 23.677, 339.745 looks on a white background.

Color Contrast Check

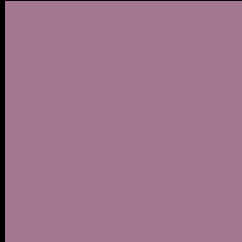
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.677, 339.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

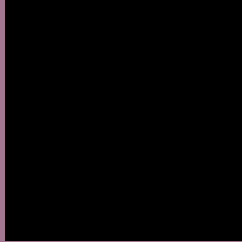
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 23.677, 339.745

Background



This preview shows how black text looks on a background with the CIELCh color 55, 23.677, 339.745.



This preview shows how white text looks on a background with the CIELCh color 55, 23.677, 339.745.

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, 23.677, 339.745

Protanopia

55, 13.262, 285.448

Deuteranopia

55, 10.177, 315.774



Tritanopia
55, 17.054, 3.945

Trichromacy



Original Color
55, 23.677, 339.745

Protanomaly
55, 15.402, 311.836

Deuteranomaly
55, 15.274, 328.960

Tritanomaly
55, 19.097, 353.178

Monochromacy



Original Color
55, 23.677, 339.745

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 8.540, 338.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 23.677, 339.745 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(163, 118, 146)` looks like.

```
.text, #text, p{  
    color:rgb(163, 118, 146)  
}
```

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(163, 118, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 118, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 23.677, 339.745 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(163, 118, 146) }
```

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

```
.border{ border-color:rgb(163, 118, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 118, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 118, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 118, 146);  
box-shadow:4px 4px 4px 4px rgb(163, 118,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 23.677, 339.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 118, 146) }
```

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

```
.background{ background-color: rgb(163,  
118, 146) }
```

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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