

Converting Colors

CIELCh(55, 42.325, 330.620)

Have a look what the booklet for
CIELCh(55, 42.325, 330.620)
contains.

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Color

CIELCh(55, 42.091, 330.531)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B16CA8 |
| RGB | 177, 108, 168 |
| RGB Percent | 69%, 42%, 66% |
| CMY | 0.3055, 0.5761, 0.3408 |
| CMYK | 0.00, 0.39, 0.05, 0.31 |
| HSL | 308°, 31%, 56% |
| HSV | 308°, 39%, 69% |
| XYZ | 30.5981, 22.9298, 39.9003 |
| YIQ | 135.4710, 21.8640, 33.2880 |

Conversions

Conversions Part 2

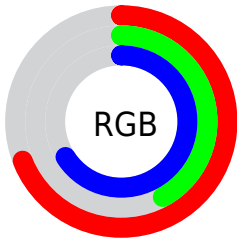
| Format | Color |
|-------------------------------------|--|
| RYB | 177, 108, 168 |
| Decimal | 11627688 |
| CIELab | 55.00, 36.65, -20.71 |
| CIELCh | 55, 42.091, 330.531 |
| Yxy | 22.9298, 0.3275, 0.2454 |
| Android (android.graphics.Color) | 4289817768 (0xFFB16CA8) |
| YUV | 135.4710, 16.0368, 36.4209 |
| Hunter-Lab | 47.8851, 30.2606, -15.8839 |

Details

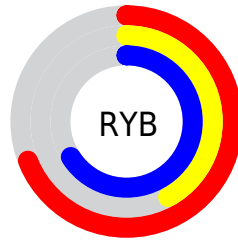
The CIELCh color $55, 42.091, 330.531$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $66, 42.088, 145.185$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 41.914, 330.781$, and $35, 42.166, 330.470$ is the 20% darker color. If you saturate the color by 10%, you get $51, 52.082, 331.136$, and if you desaturate by 10%, it is $59, 31.495, 329.923$.

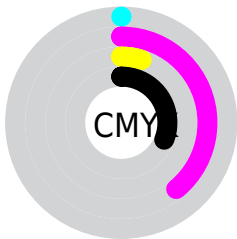
Distribution



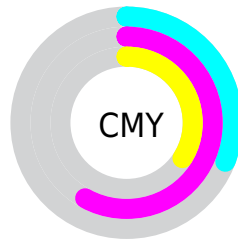
- Red (69%)
- Green (42%)
- Blue (66%)



- Red (69%)
- Yellow (42%)
- Blue (66%)



- Cyan (0%)
- Magenta (39%)
- Yellow (5%)
- Black (31%)





- Cyan (31%)
- Magenta (58%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 42.091, 330.531 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, 42.091, 330.531 by changing the saturation by 10% instead.


 55, 42.091,
330.531


 55, 42.091,
330.531


 100, 42.091,
330.531


 45, 42.091,
330.531


 75, 42.091,
330.531

 35, 42.091,
330.531

 85, 42.091,
330.531

 25, 42.091,
330.531

 95, 42.091,
330.531

 15, 42.091,
330.531

 5, 42.091, 330.531

 0, 42.091, 330.531

55, 42.091,
330.531

55, 42.091,
330.531

51, 52.082,
331.136

59, 31.495,
329.923

48, 61.070,
331.733

63, 20.622,
329.316

45, 68.598,
332.322

68, 9.703, 328.709

43, 74.240,
332.909

73, 1.102, 148.399

42, 77.719,
333.506

78, 11.694,
147.623

41, 79.262,
334.128

82, 22.015,
147.077

41, 79.394,
334.192

87, 32.037,
146.562

92, 41.750,
146.075

 94, 43.905,
146.583

Harmonies

Complementary

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



55, 42.091, 330.531



66, 42.088, 145.185

Rectangle

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



55, 42.091, 330.531



55, 42.091, 20.531



55, 42.091, 150.531



55, 42.091, 200.531

Sweetspot

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



55, 42.089, 330.531



84, 16.066, 328.907



49, 40.681, 298.800



44, 10.652, 328.983



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



55, 42.089, 330.531



66, 61.866, 331.066



54, 31.189, 354.779



35, 6.171, 328.731



35, 71.365, 334.114



2, 14.240, 330.187

Inverse Universe

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



55, 42.089, 330.531



66, 61.866, 331.066



67, 28.743, 166.505



35, 6.171, 328.731



35, 71.365, 334.114



2, 14.240, 330.187

Previews

White Background



This preview shows how the CIELCh color 55, 42.091, 330.531 looks on a white background.

Color Contrast Check

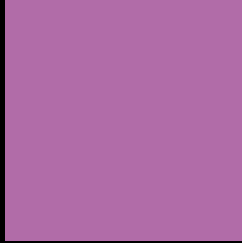
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.091, 330.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

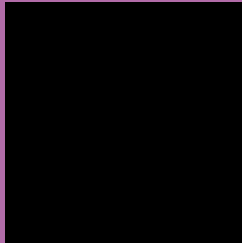
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 42.091, 330.531

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.091, 330.531.



This preview shows how white text looks on a background with the CIELCh color 55, 42.091, 330.531.

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, 42.091, 330.531

Protanopia
55, 31.752, 285.239

Deuteranopia
55, 20.128, 291.563



Tritanopia
55, 23.232, 9.574

Trichromacy



Original Color
55, 42.091, 330.531

Protanomaly
55, 33.406, 303.320

Deuteranomaly
55, 27.025, 312.587

Tritanomaly
55, 28.084, 349.883

Monochromacy



Original Color
55, 42.091, 330.531

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 15.910, 328.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.091, 330.531 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(177, 108, 168)` looks like.

```
.text, #text, p{  
    color:rgb(177, 108, 168)  
}
```

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(177, 108, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 108, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.091, 330.531 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(177, 108, 168) }
```

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

```
.border{ border-color:rgb(177, 108, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 108, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 108, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 108, 168);  
box-shadow:4px 4px 4px 4px rgb(177, 108,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.091, 330.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 108, 168) }
```

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

```
.background{ background-color: rgb(177,  
108, 168) }
```

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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