

Converting Colors

CIELCh(55, 76.151, 327.448)

Have a look what the booklet for
CIELCh(55, 76.151, 327.448)
contains.

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Color

CIELCh(55, 76.432, 327.467)

Conversions

Conversions Part 1

Format	Color
Hex	CC50CC
RGB	204, 80, 204
RGB Percent	80%, 31%, 80%
CMY	0.2001, 0.6863, 0.2000
CMYK	0.00, 0.61, 0.00, 0.20
HSL	300°, 55%, 56%
HSV	300°, 61%, 80%
XYZ	38.6632, 22.9298, 59.5066
YIQ	131.2120, 34.1000, 64.8520

Conversions

Conversions Part 2

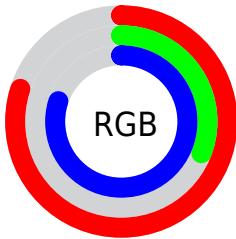
Format	Color
R_{YB}	204, 80, 204
Decimal	13390028
CIE _{Lab}	55.00, 64.44, -41.10
CIE _{LCh}	55, 76.432, 327.467
Yxy	22.9298, 0.3193, 0.1893
Android (android.graphics.Color)	4291580108 (0xFFCC50CC)
YUV	131.2120, 35.8845, 63.8351
Hunter-Lab	47.8851, 60.3248, -40.1598

Details

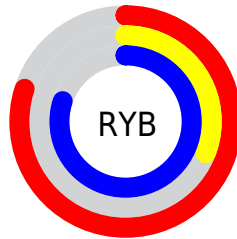
The CIELCh color **55, 76.432, 327.467** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **73, 77.286, 139.151**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 73.020, 326.912**, and **35, 76.283, 327.652** is the 20% darker color. If you saturate the color by 10%, you get **52, 85.217, 327.789**, and if you desaturate by 10%, it is **58, 65.793, 327.068**.

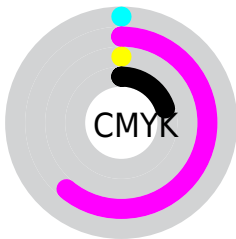
Distribution



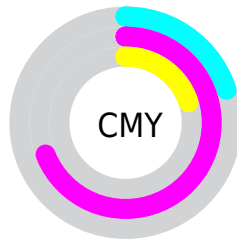
- Red (80%)
- Green (31%)
- Blue (80%)



- Red (80%)
- Yellow (31%)
- Blue (80%)



- Cyan (0%)
- Magenta (61%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (69%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 76.432, 327.467 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, 76.432, 327.467 by changing the saturation by 10% instead.


 55, 76.432,
327.467


 55, 76.432,
327.467


 100, 76.432,
327.467


 45, 76.432,
327.467

 75, 76.432,
327.467

 35, 76.432,
327.467

 85, 76.432,
327.467

 25, 76.432,
327.467

 95, 76.432,
327.467

 15, 76.432,
327.467

 5, 76.432, 327.467

 0, 76.432, 327.467

■ 55, 76.432,
327.467

■ 55, 76.432,
327.467

■ 52, 85.217,
327.789

■ 58, 65.793,
327.068

■ 50, 91.730,
328.023

■ 62, 53.818,
326.607

■ 49, 95.766,
328.166

■ 67, 40.995,
326.101

■ 49, 97.675,
328.232

■ 71, 27.733,
325.566

■ 76, 14.343,
325.012

■ 82, 1.045, 324.235

■ 87, 12.018,
143.971

■ 92, 24.757,
143.441

■ 95, 31.969,
143.147

Harmonies

Complementary

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



55, 76.432, 327.467



73, 77.286, 139.151

Rectangle

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



55, 76.432, 327.467



55, 76.432, 17.467



55, 76.432, 147.467



55, 76.432, 197.467

Sweetspot

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



55, 76.430, 327.467



89, 28.774, 325.426



41, 72.968, 299.205



46, 20.004, 325.588



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, 76.430, 327.467



64, 103.576, 327.873



52, 56.398, 349.715



40, 7.538, 324.934



39, 83.711, 328.232



5, 29.042, 327.497

Inverse Universe

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



51, 55.590, 27.676



58, 81.402, 31.750



74, 53.796, 155.935



40, 4.369, 19.925



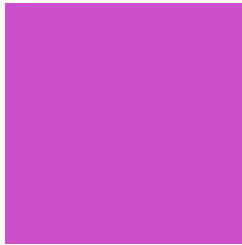
34, 75.554, 39.823



4, 17.910, 19.405

Previews

White Background



This preview shows how the CIELCh color 55, 76.432, 327.467 looks on a white background.

Color Contrast Check

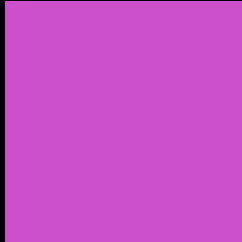
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.432, 327.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

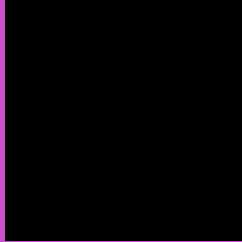
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 76.432, 327.467

Background



This preview shows how black text looks on a background with the CIELCh color 55, 76.432, 327.467.

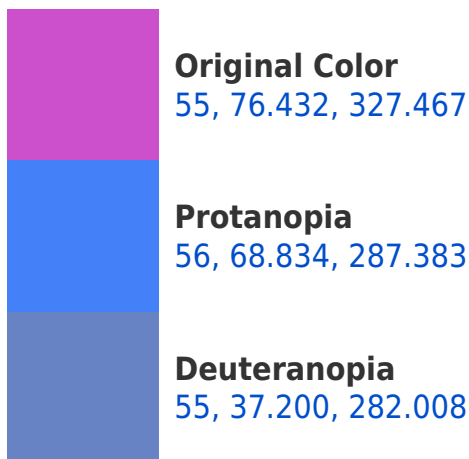


This preview shows how white text looks on a background with the CIELCh color 55, 76.432, 327.467.

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





Tritanopia
55, 37.143, 18.183

Trichromacy



Original Color
55, 76.432, 327.467



Protanomaly
53, 69.670, 299.170



Deuteranomaly
53, 50.554, 305.772



Tritanomaly
55, 46.252, 349.723

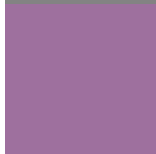
Monochromacy



Original Color
55, 76.432, 327.467



Achromatopsia
55, 0.007, 296.813



Achromatomaly
53, 31.517, 325.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 76.432, 327.467 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(204, 80, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 80, 204)  
}
```

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(204, 80, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 80, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 76.432, 327.467 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(204, 80, 204) }
```

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

```
.border{ border-color:rgb(204, 80, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 80, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 80, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 80, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 80,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 76.432, 327.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 80, 204) }
```

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

```
.background{ background-color: rgb(204, 80,  
204) }
```

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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