

Converting Colors

CIELCh(50, 55.664, 326.153)

Have a look what the booklet for
CIELCh(50, 55.664, 326.153)
contains.

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Color

CIELCh(50, 55.722, 326.277)

Conversions

Conversions Part 1

Format	Color
Hex	AA57AC
RGB	170, 87, 172
RGB Percent	67%, 34%, 67%
CMY	0.3323, 0.6579, 0.3245
CMYK	0.01, 0.49, 0.00, 0.32
HSL	299°, 34%, 51%
HSV	299°, 49%, 68%
XYZ	27.5320, 18.4187, 41.2605
YIQ	121.5070, 22.1830, 44.0310

Conversions

Conversions Part 2

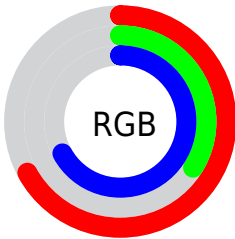
Format	Color
R_{YB}	170, 87, 172
Decimal	11163564
CIE _{Lab}	50.00, 46.35, -30.94
CIE _{LCh}	50, 55.722, 326.277
Yxy	18.4187, 0.3157, 0.2112
Android (android.graphics.Color)	4289353644 (0xFFAA57AC)
YUV	121.5070, 24.8930, 42.5284
Hunter-Lab	42.9170, 39.4061, -26.9597

Details

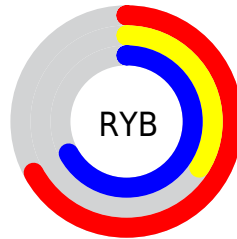
The CIELCh color `50, 55.722, 326.277` is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be `64, 55.871, 140.032`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 55.734, 326.181`, and `30, 55.431, 326.549` is the 20% darker color. If you saturate the color by 10%, you get `47, 65.305, 326.664`, and if you desaturate by 10%, it is `54, 45.109, 325.829`.

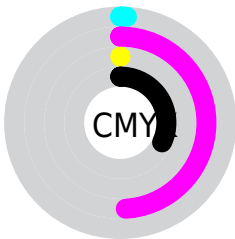
Distribution



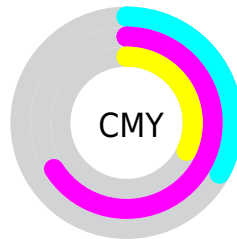
- Red (67%)
- Green (34%)
- Blue (67%)



- Red (67%)
- Yellow (34%)
- Blue (67%)



- Cyan (1%)
- Magenta (49%)
- Yellow (0%)
- Black (32%)





- Cyan (33%)
- Magenta (66%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 55.722, 326.277 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 50, 55.722, 326.277 by changing the saturation by 10% instead.


 50, 55.722,
326.277


 50, 55.722,
326.277


 100, 55.722,
326.277


 40, 55.722,
326.277


 70, 55.722,
326.277

 30, 55.722,
326.277

 80, 55.722,
326.277


 20, 55.722,
326.277

 90, 55.722,
326.277

 10, 55.722,
326.277

 0, 55.722, 326.277

 50, 55.722,
326.277

 50, 55.722,
326.277

47, 65.305,
326.664

54, 45.109,
325.829

44, 73.420,
326.971

58, 33.873,
325.339

42, 79.663,
327.183

62, 22.339,
324.822

41, 83.785,
327.292

66, 10.748,
324.287

40, 86.079,
327.313

71, 0.732, 144.094

40, 86.214,
327.313

75, 11.994,
143.293

80, 22.971,
142.790

85, 33.630,
142.316

90, 43.958,
141.868

Harmonies

Complementary

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



50, 55.722, 326.277



64, 55.871, 140.032

Rectangle

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



50, 55.722, 326.277



50, 55.722, 16.277



50, 55.722, 146.277



50, 55.722, 196.277

Sweetspot

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



50, 55.720, 326.277



81, 21.444, 324.605



42, 49.533, 295.999



42, 14.623, 324.713



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



50, 55.720, 326.277



60, 80.317, 326.688



49, 41.366, 346.819



34, 6.543, 324.284



35, 78.042, 327.323



2, 13.704, 323.516

Inverse Universe

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



47, 37.912, 23.178



56, 57.565, 25.670



64, 39.624, 156.894



34, 3.817, 18.011



31, 69.127, 38.509



2, 7.807, 17.814

Previews

White Background



This preview shows how the CIELCh color 50, 55.722, 326.277 looks on a white background.

Color Contrast Check

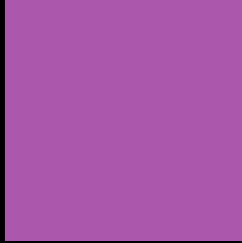
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 55.722, 326.277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

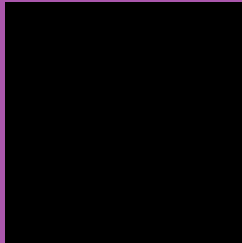
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 55.722, 326.277

Background



This preview shows how black text looks on a background with the CIELCh color 50, 55.722, 326.277.

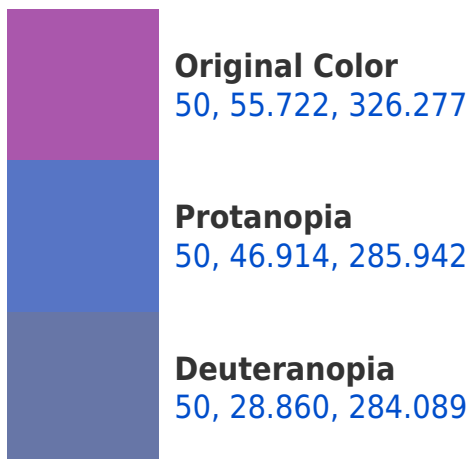


This preview shows how white text looks on a background with the CIELCh color 50, 55.722, 326.277.

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
50, 25.853, 12.645

Trichromacy



Original Color
50, 55.722, 326.277



Protanomaly
49, 48.279, 299.980



Deuteranomaly
49, 37.139, 305.085



Tritanomaly
50, 33.568, 345.990

Monochromacy



Original Color
50, 55.722, 326.277



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 21.737, 325.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 55.722, 326.277 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(170, 87, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 87, 172)  
}
```

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(170, 87, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 87, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 55.722, 326.277 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(170, 87, 172) }
```

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

```
.border{ border-color:rgb(170, 87, 172) }
```

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

Here you see how a box with a 4 pixel rgb(170, 87, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 87, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 87, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 87,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 55.722, 326.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 87, 172) }
```

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

```
.background{ background-color: rgb(170, 87,  
172) }
```

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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