

Converting Colors

CIELCh(52, 55.829, 327.208)

Have a look what the booklet for
CIELCh(52, 55.829, 327.208)
contains.

CIELCh(52, 55.823, 326.925)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 55.823, 326.925)

Conversions

Conversions Part 1

Format	Color
Hex	B15CB1
RGB	177, 92, 177
RGB Percent	69%, 36%, 69%
CMY	0.3063, 0.6396, 0.3063
CMYK	0.00, 0.48, 0.00, 0.31
HSL	300°, 35%, 53%
HSV	300°, 48%, 69%
XYZ	29.8544, 20.1443, 43.8596
YIQ	127.1050, 23.3750, 44.4550

Conversions

Conversions Part 2

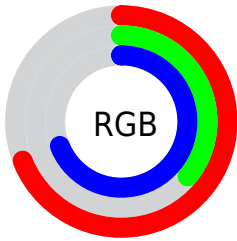
Format	Color
RYB	177, 92, 177
Decimal	11623601
CIELab	52.00, 46.78, -30.46
CIELCh	52, 55.823, 326.925
Yxy	20.1443, 0.3181, 0.2146
Android (android.graphics.Color)	4289813681 (0xFFB15CB1)
YUV	127.1050, 24.5982, 43.7579
Hunter-Lab	44.8824, 40.1883, -26.5211

Details

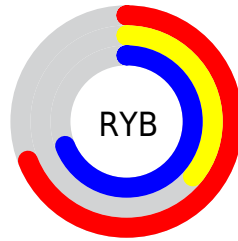
The CIELCh color **52, 55.823, 326.925** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **65, 56.065, 140.628**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 55.855, 326.803**, and **32, 55.657, 326.860** is the 20% darker color. If you saturate the color by 10%, you get **49, 65.733, 327.342**, and if you desaturate by 10%, it is **56, 44.873, 326.453**.

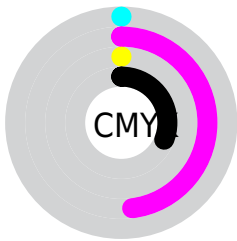
Distribution



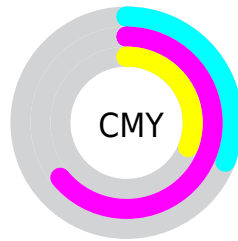
- Red (69%)
- Green (36%)
- Blue (69%)



- Red (69%)
- Yellow (36%)
- Blue (69%)



- Cyan (0%)
- Magenta (48%)
- Yellow (0%)
- Black (31%)





- Cyan (31%)
- Magenta (64%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 55.823, 326.925 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 52, 55.823, 326.925 by changing the saturation by 10% instead.


 52, 55.823,
326.925


 52, 55.823,
326.925


 100, 55.823,
326.925


 42, 55.823,
326.925


 72, 55.823,
326.925

 32, 55.823,
326.925

 82, 55.823,
326.925

 22, 55.823,
326.925

 92, 55.823,
326.925

 12, 55.823,
326.925

 2, 55.823, 326.925

 0, 55.823, 326.925

52, 55.823,
326.925

52, 55.823,
326.925

49, 65.733,
327.342

56, 44.873,
326.453

46, 74.160,
327.688

60, 33.299,
325.941

44, 80.693,
327.951

64, 21.430,
325.406

43, 85.074,
328.124

68, 9.512, 324.851

42, 87.452,
328.216

73, 2.283, 144.441

42, 87.841,
328.232

78, 13.845,
143.828

83, 25.108,
143.311

88, 36.037,
142.821

 92, 46.619,
142.358

Harmonies

Complementary

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



52, 55.823, 326.925



65, 56.065, 140.628

Rectangle

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



52, 55.823, 326.925



52, 55.823, 16.925



52, 55.823, 146.925



52, 55.823, 196.925

Sweetspot

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



52, 55.821, 326.925



83, 20.520, 325.197



43, 50.081, 296.371



43, 14.162, 325.313



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



52, 55.821, 326.925



62, 80.915, 327.378



50, 40.850, 347.642



35, 6.751, 324.924



36, 78.927, 328.232



3, 16.262, 324.438

Inverse Universe

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



49, 37.868, 24.625



58, 58.086, 27.053



66, 38.951, 157.881



35, 3.911, 19.910



31, 70.929, 39.525



2, 9.156, 19.403

Previews

White Background



This preview shows how the CIELCh color 52, 55.823, 326.925 looks on a white background.

Color Contrast Check

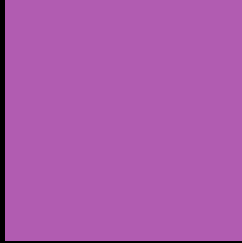
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 55.823, 326.925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

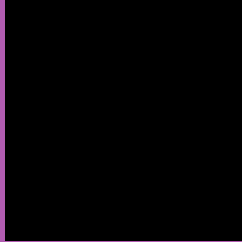
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 55.823, 326.925

Background



This preview shows how black text looks on a background with the CIELCh color 52, 55.823, 326.925.



This preview shows how white text looks on a background with the CIELCh color 52, 55.823, 326.925.

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
52, 55.823, 326.925

Protanopia
52, 46.579, 285.887

Deuteranopia
52, 28.055, 284.210



Tritanopia
52, 26.491, 12.937

Trichromacy



Original Color
52, 55.823, 326.925

Protanomaly
51, 47.979, 300.564

Deuteranomaly
51, 36.439, 306.224

Tritanomaly
52, 34.001, 346.813

Monochromacy



Original Color
52, 55.823, 326.925

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 21.597, 325.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 55.823, 326.925 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, 92, 177)` looks like.

```
.text, #text, p{  
    color:rgb(177, 92, 177)  
}
```

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, 92, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 92, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 55.823, 326.925 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, 92, 177) }
```

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

```
.border{ border-color:rgb(177, 92, 177) }
```

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

Here you see how a box with a 4 pixel rgb(177, 92, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 92, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 92, 177);  
box-shadow:4px 4px 4px 4px rgb(177, 92,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 55.823, 326.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 92, 177) }
```

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

```
.background{ background-color: rgb(177, 92,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor