

Converting Colors

CIELCh(53, 67.164, 318.036)

Have a look what the booklet for
CIELCh(53, 67.164, 318.036)
contains.

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Color

CIELCh(53, 67.121, 318.028)

Conversions

Conversions Part 1

Format	Color
Hex	AC5ECD
RGB	172, 94, 205
RGB Percent	67%, 37%, 80%
CMY	0.3271, 0.6329, 0.1977
CMYK	0.16, 0.54, 0.00, 0.20
HSL	282°, 52%, 58%
HSV	282°, 54%, 80%
XYZ	31.8569, 21.0462, 59.8742
YIQ	129.9760, 10.8570, 51.0570

Conversions

Conversions Part 2

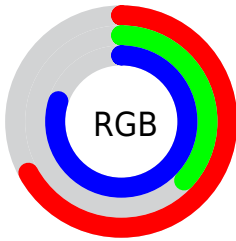
Format	Color
R _Y B	172, 94, 205
Decimal	11296461
CIE Lab	53.00, 49.90, -44.89
CIE LCh	53, 67.121, 318.028
Yxy	21.0462, 0.2825, 0.1866
Android (android.graphics.Color)	4289486541 (0xFFAC5ECD)
YUV	129.9760, 36.9868, 36.8550
Hunter-Lab	45.8761, 43.6694, -45.2678

Details

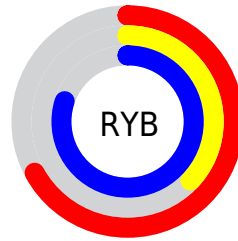
The CIELCh color **53, 67.121, 318.028** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **75, 64.634, 133.048**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 63.713, 319.403**, and **33, 66.925, 318.084** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.171, 318.265**, and if you desaturate by 10%, it is **58, 55.123, 317.684**.

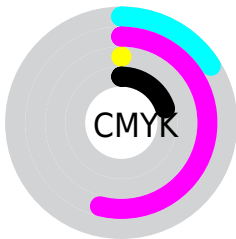
Distribution



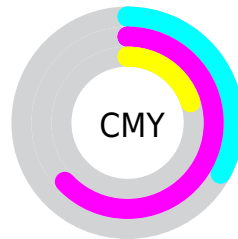
- Red (67%)
- Green (37%)
- Blue (80%)



- Red (67%)
- Yellow (37%)
- Blue (80%)



- Cyan (16%)
- Magenta (54%)
- Yellow (0%)
- Black (20%)





- Cyan (33%)
- Magenta (63%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 67.121, 318.028 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 53, 67.121, 318.028 by changing the saturation by 10% instead.


 53, 67.121,
318.028


 53, 67.121,
318.028


 100, 67.121,
318.028


 43, 67.121,
318.028


 73, 67.121,
318.028

 33, 67.121,
318.028

 83, 67.121,
318.028

 23, 67.121,
318.028

 93, 67.121,
318.028

 13, 67.121,
318.028

 3, 67.121, 318.028

 0, 67.121, 318.028

53, 67.121,
318.028

53, 67.121,
318.028

49, 78.171,
318.265

58, 55.123,
317.684

45, 87.678,
318.337

63, 42.651,
317.279

42, 94.995,
318.179

69, 30.036,
316.845

39, 99.638,
317.731

74, 17.495,
316.405


38, 101.418,
317.382

80, 5.159, 315.956

86, 6.894, 135.616

91, 18.625,
135.223

96, 28.655,
134.493

 97, 27.706,
130.547

Harmonies

Complementary

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



53, 67.121, 318.028



75, 64.634, 133.048

Rectangle

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



53, 67.121, 318.028



53, 67.121, 8.028



53, 67.121, 138.028



53, 67.121, 188.028

Sweetspot

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



53, 67.119, 318.028



89, 23.547, 316.491



54, 45.166, 283.761



46, 15.928, 316.583



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 67.119, 318.028



59, 94.221, 318.289



56, 61.069, 334.165



40, 6.918, 316.192



31, 86.660, 317.522



3, 25.952, 315.028

Inverse Universe

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



54, 47.377, 3.776



62, 66.822, 6.805



74, 61.421, 145.517



40, 4.708, 356.971



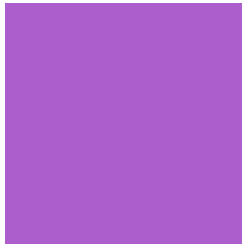
35, 63.425, 20.837



4, 18.540, 5.029

Previews

White Background



This preview shows how the CIELCh color 53, 67.121, 318.028 looks on a white background.

Color Contrast Check

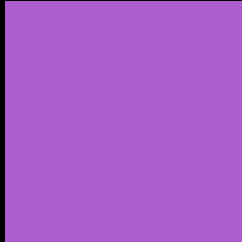
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 67.121, 318.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

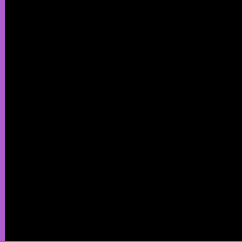
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 67.121, 318.028

Background



This preview shows how black text looks on a background with the CIELCh color 53, 67.121, 318.028.

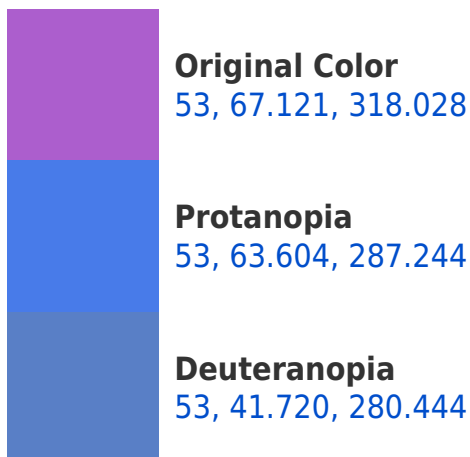



This preview shows how white text looks on a background with the CIELCh color 53, 67.121, 318.028.

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
53, 19.245, 6.269

Trichromacy



Original Color
53, 67.121, 318.028



Protanomaly
52, 64.155, 296.592



Deuteranomaly
52, 49.323, 297.313



Tritanomaly
53, 33.918, 332.476

Monochromacy



Original Color
53, 67.121, 318.028



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 25.444, 316.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 67.121, 318.028 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(172, 94, 205)` looks like.

```
.text, #text, p{  
    color:rgb(172, 94, 205)  
}
```

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(172, 94, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 94, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 67.121, 318.028 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(172, 94, 205) }
```

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

```
.border{ border-color:rgb(172, 94, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 94, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 94, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 94, 205);  
box-shadow:4px 4px 4px 4px rgb(172, 94,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 67.121, 318.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 94, 205) }
```

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

```
.background{ background-color: rgb(172, 94,  
205) }
```

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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