

Converting Colors

CIELCh(53, 64.268, 315.280)

Have a look what the booklet for
CIELCh(53, 64.268, 315.280)
contains.

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Color

CIELCh(53, 64.269, 315.302)

Conversions

Conversions Part 1

Format	Color
Hex	A462CD
RGB	164, 98, 205
RGB Percent	64%, 38%, 80%
CMY	0.3567, 0.6156, 0.1959
CMYK	0.20, 0.52, 0.00, 0.20
HSL	277°, 52%, 59%
HSV	277°, 52%, 80%
XYZ	30.7102, 21.0462, 60.2219
YIQ	129.9320, 4.9890, 47.2690

Conversions

Conversions Part 2

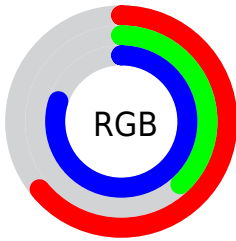
Format	Color
RYB	164, 98, 205
Decimal	10773197
CIELab	53.00, 45.68, -45.20
CIELCh	53, 64.269, 315.302
Yxy	21.0462, 0.2743, 0.1879
Android (android.graphics.Color)	4288963277 (0xFFA462CD)
YUV	129.9320, 37.0085, 29.8776
Hunter-Lab	45.8761, 39.2073, -45.7171

Details

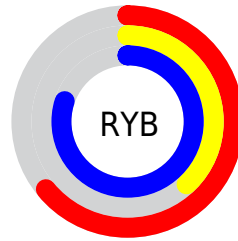
The CIELCh color **53, 64.269, 315.302** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **76, 60.923, 130.591**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 60.508, 316.640**, and **33, 64.382, 315.279** is the 20% darker color. If you saturate the color by 10%, you get **48, 75.870, 315.617**, and if you desaturate by 10%, it is **58, 52.002, 314.898**.

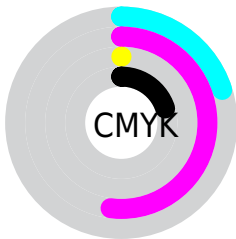
Distribution



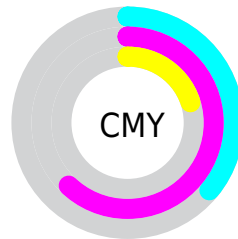
- Red (64%)
- Green (38%)
- Blue (80%)



- Red (64%)
- Yellow (38%)
- Blue (80%)



- Cyan (20%)
- Magenta (52%)
- Yellow (0%)
- Black (20%)





- Cyan (36%)
- Magenta (62%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 64.269, 315.302 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, 64.269, 315.302 by changing the saturation by 10% instead.


 53, 64.269,
315.302


 53, 64.269,
315.302


 100, 64.269,
315.302


 43, 64.269,
315.302


 73, 64.269,
315.302

 33, 64.269,
315.302

 83, 64.269,
315.302

 23, 64.269,
315.302

 93, 64.269,
315.302

 13, 64.269,
315.302

 3, 64.269, 315.302

 0, 64.269, 315.302

53, 64.269,
315.302

53, 64.269,
315.302

48, 75.870,
315.617

58, 52.002,
314.898

44, 86.230,
315.776

64, 39.484,
314.450

40, 94.639,
315.699

69, 26.982,
313.992

37, 100.435,
315.303

75, 14.657,
313.542

36, 103.328,
314.801

81, 2.604, 313.071

87, 9.132, 132.758

93, 20.529,
132.391

97, 27.414,
130.356

■ 97, 26.411,
124.718

Harmonies

Complementary

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



53, 64.269, 315.302



76, 60.923, 130.591

Rectangle

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



53, 64.269, 315.302



53, 64.269, 5.302



53, 64.269, 135.302



53, 64.269, 185.302

Sweetspot

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



53, 64.268, 315.302



89, 23.077, 313.721



58, 38.675, 276.886



46, 15.616, 313.815



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, 64.268, 315.302



59, 91.514, 315.655



58, 62.585, 330.869



40, 6.772, 313.418



28, 88.113, 314.963



3, 25.238, 311.294

Inverse Universe

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



56, 46.812, 357.105



63, 65.996, 359.670



74, 63.050, 143.233



40, 4.933, 351.266



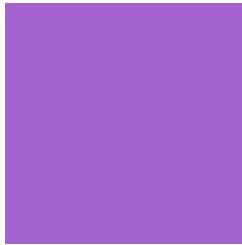
35, 61.574, 12.820



4, 18.981, 0.486

Previews

White Background



This preview shows how the CIELCh color 53, 64.269, 315.302 looks on a white background.

Color Contrast Check

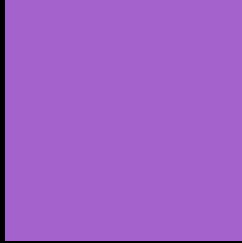
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.269, 315.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

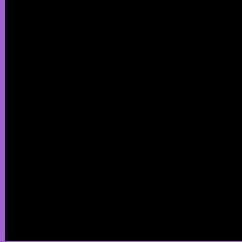
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 64.269, 315.302

Background



This preview shows how black text looks on a background with the CIELCh color 53, 64.269, 315.302.

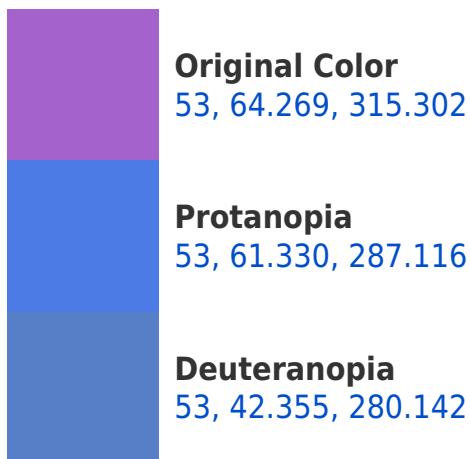


This preview shows how white text looks on a background with the CIELCh color 53, 64.269, 315.302.

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, 14.382, 0.074

Trichromacy



Original Color
53, 64.269, 315.302

Protanomaly
52, 61.232, 295.727

Deuteranomaly
52, 49.257, 295.616

Tritanomaly
53, 30.450, 326.585

Monochromacy



Original Color
53, 64.269, 315.302

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 24.351, 314.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 64.269, 315.302 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(164, 98, 205)` looks like.

```
.text, #text, p{  
    color:rgb(164, 98, 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(164, 98, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 98, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 64.269, 315.302 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(164, 98, 205) }
```

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

```
.border{ border-color:rgb(164, 98, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 98, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 98, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 98, 205);  
box-shadow:4px 4px 4px 4px rgb(164, 98,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 64.269, 315.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 98, 205) }
```

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

```
.background{ background-color: rgb(164, 98,  
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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