

Converting Colors

CIELCh(66, 19.425, 302.923)

Have a look what the booklet for
CIELCh(66, 19.425, 302.923)
contains.

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Color

CIELCh(66, 19.898, 303.459)

Conversions

Conversions Part 1

Format	Color
Hex	A69BBE
RGB	166, 155, 190
RGB Percent	65%, 61%, 75%
CMY	0.3486, 0.3917, 0.2544
CMYK	0.13, 0.18, 0.00, 0.25
HSL	259°, 21%, 68%
HSV	259°, 18%, 75%
XYZ	36.7986, 35.3238, 53.6630
YIQ	162.2790, -4.6790, 13.2170

Conversions

Conversions Part 2

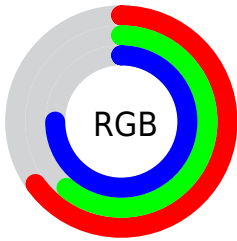
Format	Color
R_{YB}	166, 155, 190
Decimal	10918846
CIE _{Lab}	66.00, 10.97, -16.60
CIE _{LCh}	66, 19.898, 303.459
Yxy	35.3238, 0.2926, 0.2808
Android (android.graphics.Color)	4289108926 (0xFFA69BBE)
YUV	162.2790, 13.6665, 3.2633
Hunter-Lab	59.4338, 6.5094, -11.9294

Details

The CIELCh color $66, 19.898, 303.459$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $75, 19.221, 121.309$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 19.957, 303.607$, and $46, 20.071, 303.424$ is the 20% darker color. If you saturate the color by 10%, you get $60, 31.230, 304.183$, and if you desaturate by 10%, it is $72, 8.936, 302.811$.

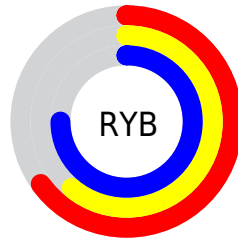
Distribution



Red (65%)

Green (61%)

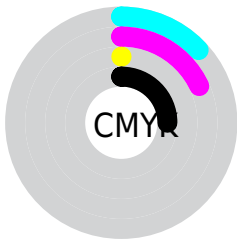
Blue (75%)



Red (65%)

Yellow (61%)

Blue (75%)

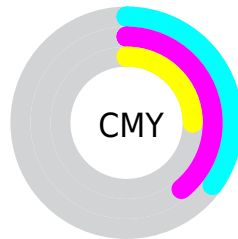


Cyan (13%)

Magenta (18%)

Yellow (0%)

Black (25%)



Cyan (35%)

Magenta (39%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 19.898, 303.459 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 66, 19.898, 303.459 by changing the saturation by 10% instead.

■ 66, 19.898,
303.459

■ 66, 19.898,
303.459

■ 100, 19.898,
303.459

■ 56, 19.898,
303.459

■ 86, 19.898,
303.459

■ 46, 19.898,
303.459

■ 96, 19.898,
303.459

■ 36, 19.898,
303.459

■ 26, 19.898,
303.459

■ 16, 19.898,
303.459

■ 6, 19.898, 303.459

■ 0, 19.898, 303.459

66, 19.898,
303.459

66, 19.898,
303.459

60, 31.230,
304.183

72, 8.936, 302.811

54, 42.902,
304.984

78, 1.648, 122.283

48, 54.820,
305.845

84, 11.865,
121.764

43, 66.780,
306.730

90, 21.731,
121.334

37, 78.383,
307.567

96, 31.266,
120.965

33, 88.934,
308.240

98, 32.934,
114.739

29, 97.421,
308.585

99, 32.649,
107.693

26, 103.077,

308.503

■ 26, 103.900,
308.498

Harmonies

Complementary

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



66, 19.898, 303.459



75, 19.221, 121.309

Rectangle

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



66, 19.898, 303.459



66, 19.898, 353.459



66, 19.898, 123.459



66, 19.898, 173.459

Sweetspot

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



66, 19.896, 303.458



93, 7.864, 302.672



72, 10.196, 233.142



49, 5.264, 302.711



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



66, 19.896, 303.458



81, 29.641, 303.734



67, 21.921, 319.614



37, 5.994, 302.869



21, 90.492, 308.628



1, 17.686, 299.323

Inverse Universe

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



68, 18.643, 336.150



84, 27.630, 336.452



74, 21.729, 137.923



37, 5.670, 335.475



35, 64.151, 345.672



3, 15.888, 340.625

Previews

White Background



This preview shows how the CIELCh color 66, 19.898, 303.459 looks on a white background.

Color Contrast Check

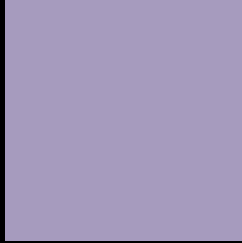
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 19.898, 303.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

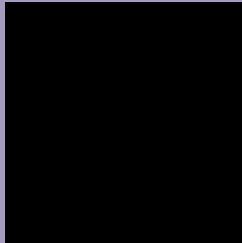
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 19.898, 303.459

Background



This preview shows how black text looks on a background with the CIELCh color 66, 19.898, 303.459.



This preview shows how white text looks on a background with the CIELCh color 66, 19.898, 303.459.

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


66, 19.898, 303.459

Protanopia

66, 18.913, 285.848

Deuteranopia

66, 18.435, 297.547



Tritanopia
66, 7.479, 305.314

Trichromacy



Original Color
66, 19.898, 303.459

Protanomaly
66, 18.861, 292.123

Deuteranomaly
66, 19.092, 299.552

Tritanomaly
66, 11.978, 303.707

Monochromacy



Original Color
66, 19.898, 303.459

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 7.383, 302.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 19.898, 303.459 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(166, 155, 190)` looks like.

```
.text, #text, p{  
    color:rgb(166, 155, 190)  
}
```

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(166, 155, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 155, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 19.898, 303.459 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(166, 155, 190) }
```

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

```
.border{ border-color:rgb(166, 155, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 155, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 155, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 155, 190); box-shadow:4px 4px 4px 4px rgb(166, 155, 190) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 19.898, 303.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 155, 190) }
```

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

```
.background{ background-color: rgb(166,  
155, 190) }
```

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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