

Converting Colors

CIELCh(66, 34.789, 300.317)

Have a look what the booklet for
CIELCh(66, 34.789, 300.317)
contains.

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Color

CIELCh(66, 34.755, 300.166)

Conversions

Conversions Part 1

Format	Color
Hex	A498D6
RGB	164, 152, 214
RGB Percent	64%, 60%, 84%
CMY	0.3559, 0.4029, 0.1598
CMYK	0.23, 0.29, 0.00, 0.16
HSL	252°, 43%, 72%
HSV	252°, 29%, 84%
XYZ	38.8011, 35.3238, 68.5665
YIQ	162.6560, -12.7500, 21.8260

Conversions

Conversions Part 2

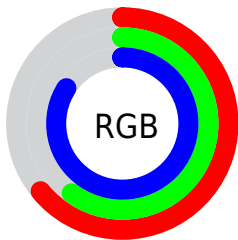
Format	Color
RYB	164, 152, 214
Decimal	10787030
CIELab	66.00, 17.46, -30.05
CIELCh	66, 34.755, 300.166
Yxy	35.3238, 0.2719, 0.2476
Android (android.graphics.Color)	4288977110 (0xFFA498D6)
YUV	162.6560, 25.3126, 1.1787
Hunter-Lab	59.4338, 12.5237, -26.7969

Details

The CIELCh color $66, 34.755, 300.166$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $83, 32.573, 115.742$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 26.321, 302.529$, and $46, 34.765, 300.202$ is the 20% darker color. If you saturate the color by 10%, you get $59, 47.650, 301.243$, and if you desaturate by 10%, it is $73, 22.312, 299.216$.

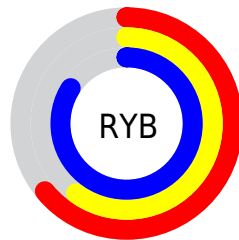
Distribution



Red (64%)

Green (60%)

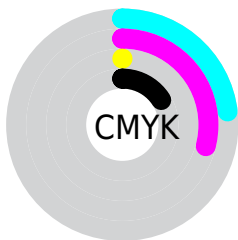
Blue (84%)



Red (64%)

Yellow (60%)

Blue (84%)

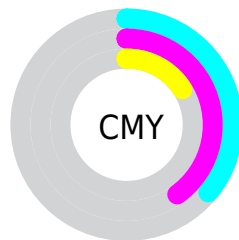


Cyan (23%)

Magenta (29%)

Yellow (0%)

Black (16%)



Cyan (36%)


Magenta (40%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 34.755, 300.166 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, 34.755, 300.166 by changing the saturation by 10% instead.


 66, 34.755,
300.166


 66, 34.755,
300.166


 100, 34.755,
300.166


 56, 34.755,
300.166


 86, 34.755,
300.166

 46, 34.755,
300.166

 96, 34.755,
300.166

 36, 34.755,
300.166

 26, 34.755,
300.166

 16, 34.755,
300.166

 6, 34.755, 300.166

 0, 34.755, 300.166

66, 34.755,
300.166

66, 34.755,
300.166

59, 47.650,
301.243

73, 22.312,
299.216

53, 60.932,
302.440

80, 10.337,
298.390

46, 74.405,
303.720

86, 1.187, 117.686

40, 87.620,
304.999

93, 12.284,
117.064

35, 99.704,
306.124

99, 20.667,
113.084

31, 109.282,
306.876

99, 20.588,
108.619

28, 115.233,
307.115

28, 115.778,

Harmonies

Complementary

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



66, 34.755, 300.166



83, 32.573, 115.742

Rectangle

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



66, 34.755, 300.166



66, 34.755, 350.166



66, 34.755, 120.166



66, 34.755, 170.166

Sweetspot

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



66, 34.753, 300.166



93, 11.984, 298.401



79, 17.617, 218.615



48, 8.350, 298.516



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 34.753, 300.166



73, 48.993, 300.841



69, 37.198, 316.442



41, 6.564, 298.427



21, 97.654, 307.243



2, 27.834, 298.849

Inverse Universe

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



70, 35.178, 332.149



79, 48.835, 332.584



81, 36.348, 133.843



42, 6.861, 330.861



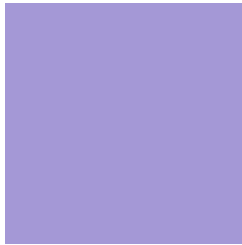
39, 73.715, 337.704



6, 28.579, 335.575

Previews

White Background



This preview shows how the CIELCh color 66, 34.755, 300.166 looks on a white background.

Color Contrast Check

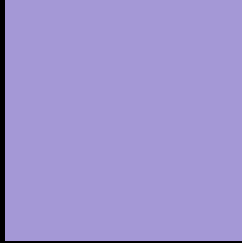
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 66, 34.755, 300.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

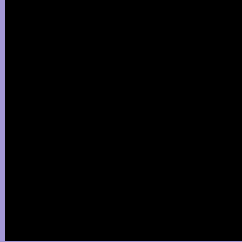
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 34.755, 300.166

Background



This preview shows how black text looks on a background with the CIELCh color 66, 34.755, 300.166.



This preview shows how white text looks on a background with the CIELCh color 66, 34.755, 300.166.

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, 34.755, 300.166

Protanopia

66, 33.962, 285.670

Deuteranopia

66, 30.576, 286.648



Tritanopia
66, 7.271, 282.238

Trichromacy



Original Color
66, 34.755, 300.166

Protanomaly
66, 33.825, 290.905

Deuteranomaly
66, 31.613, 291.630

Tritanomaly
66, 17.268, 295.478

Monochromacy



Original Color
66, 34.755, 300.166

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 12.855, 297.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 34.755, 300.166 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, 152, 214)` looks like.

```
.text, #text, p{  
    color:rgb(164, 152, 214)  
}
```

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, 152, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 152, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 34.755, 300.166 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, 152, 214) }
```

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

```
.border{ border-color:rgb(164, 152, 214) }
```

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

Here you see how a box with a 4 pixel rgb(164, 152, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 152, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 152, 214);  
box-shadow:4px 4px 4px 4px rgb(164, 152,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 34.755, 300.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 152, 214) }
```

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

```
.background{ background-color: rgb(164,  
152, 214) }
```

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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