

Converting Colors

CIELCh(66, 55.460, 303.169)

Have a look what the booklet for
CIELCh(66, 55.460, 303.169)
contains.

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Color

CIELCh(66, 55.516, 303.286)

Conversions

Conversions Part 1

Format	Color
Hex	AA91F4
RGB	170, 145, 244
RGB Percent	67%, 57%, 96%
CMY	0.3334, 0.4314, 0.0432
CMYK	0.30, 0.41, 0.00, 0.04
HSL	255°, 82%, 76%
HSV	255°, 41%, 96%
XYZ	43.0268, 35.3238, 90.1301
YIQ	163.7610, -16.8790, 36.0890

Conversions

Conversions Part 2

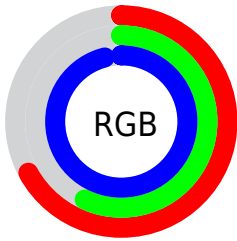
Format	Color
RYB	170, 145, 244
Decimal	11178484
CIELab	66.00, 30.47, -46.41
CIELCh	66, 55.516, 303.286
Yxy	35.3238, 0.2554, 0.2097
Android (android.graphics.Color)	4289368564 (0xFFAA91F4)
YUV	163.7610, 39.5578, 5.4716
Hunter-Lab	59.4338, 25.2148, -48.3082

Details

The CIELCh color $66, 55.516, 303.286$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $92, 50.643, 117.465$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 31.168, 310.115$, and $46, 55.495, 303.393$ is the 20% darker color. If you saturate the color by 10%, you get $59, 70.253, 304.335$, and if you desaturate by 10%, it is $73, 41.110, 302.321$.

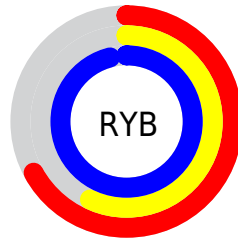
Distribution



Red (67%)

Green (57%)

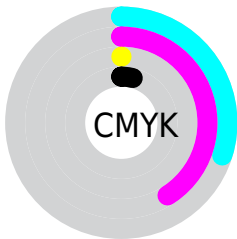
Blue (96%)



Red (67%)

Yellow (57%)

Blue (96%)

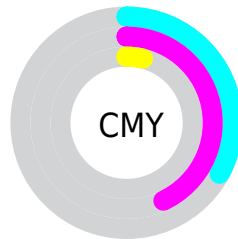


Cyan (30%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (33%)


Magenta (43%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 55.516, 303.286 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, 55.516, 303.286 by changing the saturation by 10% instead.


 66, 55.516,
303.286


 66, 55.516,
303.286


 100, 55.516,
303.286


 56, 55.516,
303.286


 86, 55.516,
303.286

 46, 55.516,
303.286

 96, 55.516,
303.286

 36, 55.516,
303.286

 26, 55.516,
303.286

 16, 55.516,
303.286

 6, 55.516, 303.286

 0, 55.516, 303.286

66, 55.516,
303.286

66, 55.516,
303.286

59, 70.253,
304.335

73, 41.110,
302.321

52, 85.036,
305.422

81, 27.161,
301.458

45, 99.271,
306.455

88, 13.705,
300.698

40, 111.900,
307.279

96, 0.741, 299.992

36, 121.423,
307.687

100, 5.571,
109.748

33, 126.794,
307.626

Harmonies

Complementary

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



66, 55.516, 303.286



92, 50.643, 117.465

Rectangle

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



66, 55.516, 303.286



66, 55.516, 353.286



66, 55.516, 123.286



66, 55.516, 173.286

Sweetspot

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



66, 55.515, 303.286



91, 16.163, 300.803



84, 25.640, 228.982



47, 10.746, 300.898



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, 55.515, 303.286



62, 70.405, 304.178



71, 58.837, 319.042



47, 7.372, 300.622



24, 103.301, 307.758



4, 40.679, 305.466

Inverse Universe

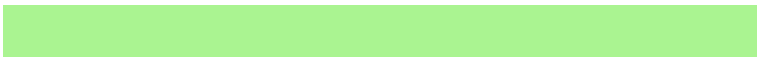
The Inverse Universe completely reimagines the original color for something new.



73, 52.199, 335.313



71, 64.422, 336.010



90, 57.465, 135.141



48, 7.343, 333.027



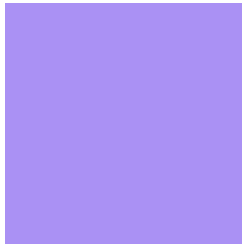
42, 75.210, 341.538



10, 34.245, 339.352

Previews

White Background



This preview shows how the CIELCh color 66, 55.516, 303.286 looks on a white background.

Color Contrast Check

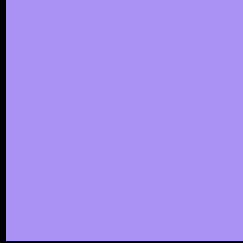
Large Text (above 18pt) WCAG AA × Fail

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, 55.516, 303.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

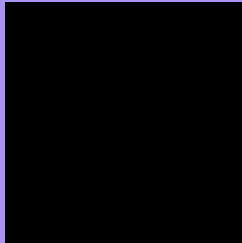
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 55.516, 303.286

Background



This preview shows how black text looks on a background with the CIELCh color 66, 55.516, 303.286.



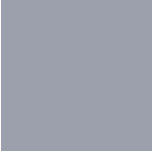
This preview shows how white text looks on a background with the CIELCh color 66, 55.516, 303.286.

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
66, 7.328, 279.412

Trichromacy



Original Color
66, 55.516, 303.286

Protanomaly
66, 54.242, 291.700

Deuteranomaly
66, 48.206, 289.834

Tritanomaly
66, 24.577, 297.480

Monochromacy



Original Color
66, 55.516, 303.286

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 20.268, 301.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 55.516, 303.286 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(170, 145, 244)` looks like.

```
.text, #text, p{  
    color:rgb(170, 145, 244)  
}
```

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(170, 145, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 145, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 55.516, 303.286 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(170, 145, 244) }
```

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

```
.border{ border-color:rgb(170, 145, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 145, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 145, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 145, 244);  
box-shadow:4px 4px 4px 4px rgb(170, 145,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 55.516, 303.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 145, 244) }
```

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

```
.background{ background-color: rgb(170,  
145, 244) }
```

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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