

Converting Colors

CIELCh(66, 55.414, 288.401)

Have a look what the booklet for
CIELCh(66, 55.414, 288.401)
contains.

CIELCh(66, 55.457, 288.416)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 55.457, 288.416)

Conversions

Conversions Part 1

Format	Color
Hex	819BFF
RGB	129, 155, 255
RGB Percent	51%, 61%, 100%
CMY	0.4941, 0.3922, 0.0000
CMYK	0.49, 0.39, 0.00, 0.00
HSL	228°, 100%, 75%
HSV	228°, 49%, 100%
XYZ	38.8184, 35.3238, 99.3688
YIQ	158.6260, -47.5960, 25.5880

Conversions

Conversions Part 2

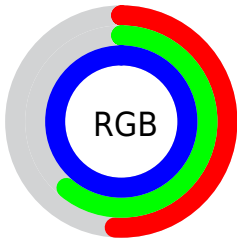
Format	Color
RYB	129, 151, 255
Decimal	8494079
CIELab	66.00, 17.52, -52.62
CIElCh	66, 55.457, 288.416
Yxy	35.3238, 0.2237, 0.2036
Android (android.graphics.Color)	4286684159 (0xFF819BFF)
YUV	158.6260, 47.5124, -25.9820
Hunter-Lab	59.4338, 12.5756, -57.5246

Details

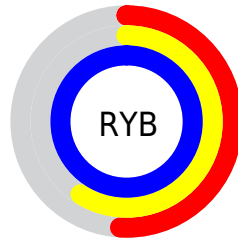
The CIELCh color **66, 55.457, 288.416** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **91, 51.763, 94.025**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 24.976, 276.629**, and **46, 55.812, 288.689** is the 20% darker color. If you saturate the color by 10%, you get **59, 67.835, 290.992**, and if you desaturate by 10%, it is **73, 43.506, 286.168**.

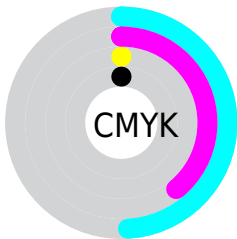
Distribution



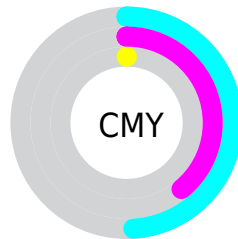
- Red (51%)
- Green (61%)
- Blue (100%)



- Red (51%)
- Yellow (59%)
- Blue (100%)



- Cyan (49%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (39%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 55.457, 288.416 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, 55.457, 288.416 by changing the saturation by 10% instead.


 66, 55.457,
288.416


 66, 55.457,
288.416


 100, 55.457,
288.416


 56, 55.457,
288.416


 86, 55.457,
288.416

 46, 55.457,
288.416

 96, 55.457,
288.416

 36, 55.457,
288.416

 26, 55.457,
288.416

 16, 55.457,
288.416

 6, 55.457, 288.416

 0, 55.457, 288.416

■ 66, 55.457,
288.416

■ 66, 55.457,
288.416

■ 59, 67.835,
290.992

■ 73, 43.506,
286.168

■ 53, 80.612,
293.860

■ 80, 31.960,
284.234

■ 47, 93.594,
296.908

■ 87, 20.781,
282.583

■ 42, 106.252,
299.926

■ 94, 9.936, 281.181

■ 38, 117.601,
302.605

100, 0.005,
304.459

■ 37, 118.206,
302.740

Harmonies

Complementary

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



66, 55.457, 288.416



91, 51.763, 94.025

Rectangle

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



66, 55.457, 288.416



66, 55.457, 338.416



66, 55.457, 108.416



66, 55.457, 158.416

Sweetspot

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



66, 55.456, 288.417



90, 15.957, 281.935



92, 41.641, 176.908



46, 10.919, 282.239



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, 55.456, 288.417



60, 67.319, 290.880



62, 71.097, 305.110



49, 6.003, 281.193



27, 93.812, 302.293



6, 37.415, 297.419

Inverse Universe

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



69, 51.078, 9.712



64, 61.111, 12.135



95, 63.498, 118.291



50, 5.441, 3.606



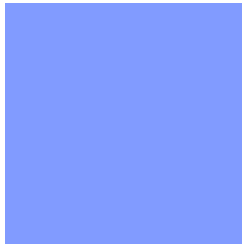
40, 74.635, 29.118



10, 31.947, 18.413

Previews

White Background



This preview shows how the CIELCh color 66, 55.457, 288.416 looks on a white background.

Color Contrast Check

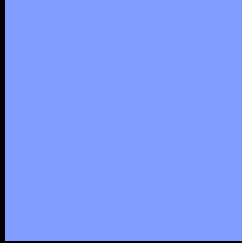
Large Text (above 18pt) WCAG AA × Fail

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, 55.457, 288.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

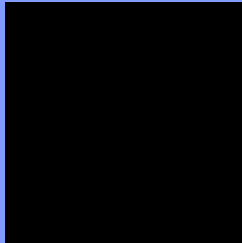
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 55.457, 288.416

Background



This preview shows how black text looks on a background with the CIELCh color 66, 55.457, 288.416.



This preview shows how white text looks on a background with the CIELCh color 66, 55.457, 288.416.

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, 55.457, 288.416

Protanopia

66, 54.525, 285.784

Deuteranopia

66, 52.936, 280.591



Tritanopia
66, 21.380, 219.345

Trichromacy



Original Color
66, 55.457, 288.416

Protanomaly
66, 54.995, 286.978

Deuteranomaly
66, 53.686, 283.441

Tritanomaly
66, 28.482, 260.595

Monochromacy



Original Color
66, 55.457, 288.416

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 20.183, 282.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 55.457, 288.416 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(129, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 155, 255)  
}
```

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(129, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 155, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 55.457, 288.416 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(129, 155, 255) }
```

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

```
.border{ border-color:rgb(129, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 155, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 155, 255); box-shadow:4px 4px 4px 4px rgb(129, 155, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 55.457, 288.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 155, 255) }
```

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

```
.background{ background-color: rgb(129,  
155, 255) }
```

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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