

Converting Colors

CIELCh(54, 87.283, 305.190)

Have a look what the booklet for
CIELCh(54, 87.283, 305.190)
contains.

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Color

CIELCh(54, 87.357, 305.296)

Conversions

Conversions Part 1

Format	Color
Hex	8B65FE
RGB	139, 101, 254
RGB Percent	55%, 40%, 100%
CMY	0.4546, 0.6037, 0.0036
CMYK	0.45, 0.60, 0.00, 0.00
HSL	255°, 99%, 70%
HSV	255°, 60%, 100%
XYZ	33.2195, 21.9746, 96.3154
YIQ	129.8040, -26.4650, 55.6390

Conversions

Conversions Part 2

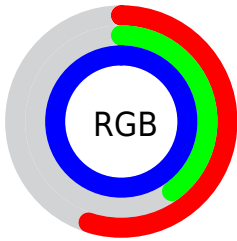
Format	Color
RYB	139, 101, 254
Decimal	9135614
CIELab	54.00, 50.47, -71.30
CIElCh	54, 87.357, 305.296
Yxy	21.9746, 0.2193, 0.1450
Android (android.graphics.Color)	4287325694 (0xFF8B65FE)
YUV	129.8040, 61.2286, 8.0649
Hunter-Lab	46.8770, 44.4596, -89.0057

Details

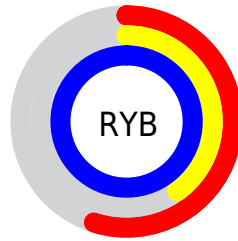
The CIELCh color $54, 87.357, 305.296$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $95, 74.990, 116.327$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 57.595, 309.528$, and $34, 87.434, 305.414$ is the 20% darker color. If you saturate the color by 10%, you get $47, 102.109, 306.350$, and if you desaturate by 10%, it is $61, 72.062, 304.193$.

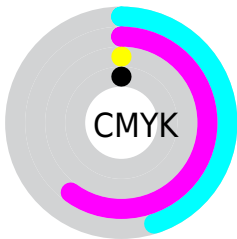
Distribution



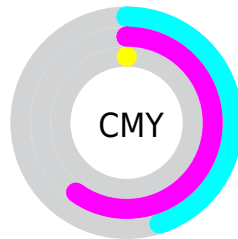
- Red (55%)
- Green (40%)
- Blue (100%)



- Red (55%)
- Yellow (40%)
- Blue (100%)



- Cyan (45%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 87.357, 305.296 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 54, 87.357, 305.296 by changing the saturation by 10% instead.


 54, 87.357,
305.296

 54, 87.357,
305.296


 100, 87.357,
305.296

 44, 87.357,
305.296


 74, 87.357,
305.296

 34, 87.357,
305.296

 84, 87.357,
305.296

 24, 87.357,
305.296

 94, 87.357,
305.296

 14, 87.357,
305.296

 4, 87.357, 305.296

 0, 87.357, 305.296

■ 54, 87.357,
305.296

■ 54, 87.357,
305.296

■ 47, 102.109,
306.350

■ 61, 72.062,
304.193

■ 42, 115.229,
307.197

■ 69, 56.832,
303.132

■ 37, 125.156,
307.631

■ 76, 41.959,
302.158

■ 34, 130.850,
307.568

■ 84, 27.562,
301.289

■ 92, 13.678,
300.525

■ 100, 0.304,
299.747

■ 100, 0.460,
109.975

Harmonies

Complementary

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



54, 87.357, 305.296



95, 74.990, 116.327

Rectangle

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



54, 87.357, 305.296



54, 87.357, 355.296



54, 87.357, 125.296



54, 87.357, 175.296

Sweetspot

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



54, 87.357, 305.297



86, 24.503, 301.110



82, 35.690, 229.989



44, 17.120, 301.346



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 87.357, 305.297



46, 104.909, 306.522



62, 88.129, 319.151



49, 7.620, 300.474



25, 105.487, 307.700



4, 44.655, 306.546

Inverse Universe

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



66, 76.609, 336.809



62, 86.851, 337.955



91, 85.220, 133.543



50, 7.616, 332.874



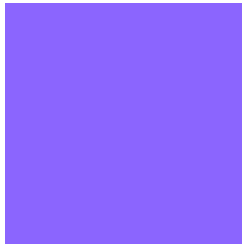
43, 76.933, 341.294



11, 36.158, 339.342

Previews

White Background



This preview shows how the CIELCh color 54, 87.357, 305.296 looks on a white background.

Color Contrast Check

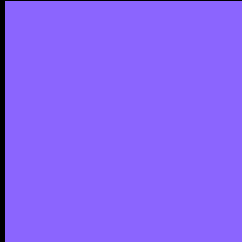
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 54, 87.357, 305.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

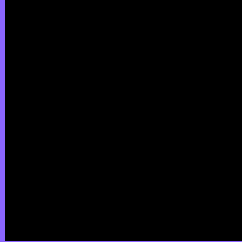
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 87.357, 305.296

Background



This preview shows how black text looks on a background with the CIELCh color 54, 87.357, 305.296.



This preview shows how white text looks on a background with the CIELCh color 54, 87.357, 305.296.

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


54, 87.357, 305.296

Protanopia

54, 75.393, 287.849

Deuteranopia

54, 58.176, 276.550



Tritanopia
54, 10.070, 238.052

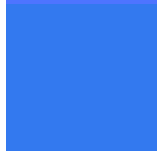
Trichromacy



Original Color
54, 87.357, 305.296



Protanomaly
53, 79.704, 293.437



Deuteranomaly
53, 68.474, 286.742



Tritanomaly
53, 35.891, 294.439

Monochromacy



Original Color
54, 87.357, 305.296



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 32.881, 302.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 87.357, 305.296 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(139, 101, 254)` looks like.

```
.text, #text, p{  
    color:rgb(139, 101, 254)  
}
```

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(139, 101, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 101, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 87.357, 305.296 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(139, 101, 254) }
```

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

```
.border{ border-color:rgb(139, 101, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 101, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 101, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 101, 254);  
box-shadow:4px 4px 4px 4px rgb(139, 101,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 87.357, 305.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 101, 254) }
```

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

```
.background{ background-color: rgb(139,  
101, 254) }
```

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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