

Converting Colors

CIELCh(30, 121.845, 305.761)

Have a look what the booklet for
CIELCh(30, 121.845, 305.761)
contains.

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Color

CIELCh(30, 121.701, 305.756)

Conversions

Conversions Part 1

Format	Color
Hex	090FE8
RGB	9, 15, 232
RGB Percent	4%, 6%, 91%
CMY	0.9654, 0.9406, 0.0897
CMYK	0.96, 0.93, 0.00, 0.09
HSL	238°, 93%, 47%
HSV	238°, 96%, 91%
XYZ	14.8653, 6.2359, 76.8527
YIQ	37.9440, -73.2330, 66.2150

Conversions

Conversions Part 2

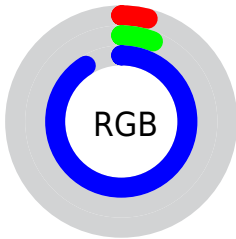
Format	Color
R _Y B	9, 15, 232
Decimal	593896
CIE Lab	30.00, 71.11, -98.76
CIE LCh	30, 121.701, 305.756
Yxy	6.2359, 0.1518, 0.0637
Android (android.graphics.Color)	4278783976 (0xFF090FE8)
YUV	37.9440, 95.6696, -25.3839
Hunter-Lab	24.9718, 62.5572, -164.9894

Details

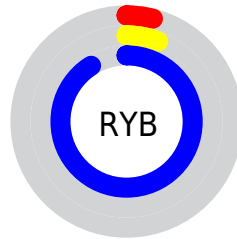
The CIELCh color **30, 121.701, 305.756** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **88, 87.715, 101.127**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 103.602, 306.088**, and **20, 100.472, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 123.470, 306.031**, and if you desaturate by 10%, it is **33, 113.792, 304.439**.

Distribution



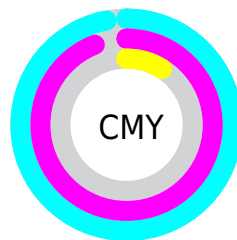
- Red (4%)
- Green (6%)
- Blue (91%)



- Red (4%)
- Yellow (6%)
- Blue (91%)



- Cyan (96%)
- Magenta (93%)
- Yellow (0%)
- Black (9%)





- Cyan (97%)
- Magenta (94%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 121.701, 305.756 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 30, 121.701, 305.756 by changing the saturation by 10% instead.


 30, 121.701,
305.756


 30, 121.701,
305.756


 100, 121.701,
305.756


 20, 121.701,
305.756


 50, 121.701,
305.756


 10, 121.701,
305.756

 60, 121.701,
305.756

 0, 121.701,
305.756

 70, 121.701,
305.756

 80, 121.701,
305.756

 90, 121.701,
305.756

■ 30, 121.701,
305.756

■ 30, 121.701,
305.756

■ 29, 123.470,
306.031

■ 33, 113.792,
304.439

■ 38, 101.863,
302.465

■ 44, 87.912,
300.175

■ 50, 73.429,
297.871

■ 58, 59.159,
295.737

■ 65, 45.381,
293.851

■ 73, 32.162,
292.226

■ 80, 19.486,

290.844

■ 87, 7.317, 289.676

Harmonies

Complementary

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



30, 121.701, 305.756



88, 87.715, 101.127

Rectangle

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



30, 121.701, 305.756



30, 121.701, 355.756



30, 121.701, 125.756



30, 121.701, 175.756

Sweetspot

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



30, 121.703, 305.757



77, 38.657, 292.679



84, 47.685, 191.507



37, 26.766, 293.377



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 121.703, 305.757



33, 132.708, 306.059



37, 115.572, 311.230



45, 6.803, 290.036



22, 102.166, 305.938



3, 35.028, 297.236

Inverse Universe

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



49, 94.328, 38.287



53, 103.474, 39.226



83, 99.472, 126.695



46, 4.904, 17.643



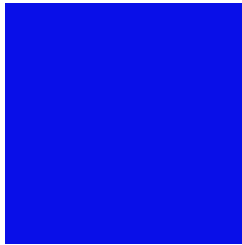
38, 79.586, 38.826



7, 28.413, 21.567

Previews

White Background



This preview shows how the CIELCh color 30, 121.701, 305.756 looks on a white background.

Color Contrast Check

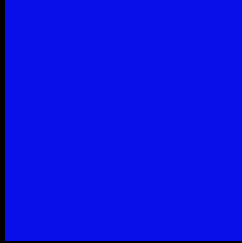
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 121.701, 305.756 looks on a black 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

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

CIELCh 30, 121.701, 305.756

Background



This preview shows how black text looks on a background with the CIELCh color 30, 121.701, 305.756.



This preview shows how white text looks on a background with the CIELCh color 30, 121.701, 305.756.

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

30, 121.683, 305.766

Protanopia

30, 48.198, 285.098

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 121.683, 305.766

Protanomaly
28, 80.081, 299.352

Deuteranomaly
27, 70.266, 297.031

Tritanomaly
26, 52.782, 290.950

Monochromacy



Original Color
30, 121.683, 305.766

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 53.682, 300.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 121.701, 305.756 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(9, 15, 232)` looks like.

```
.text, #text, p{  
    color:rgb(9, 15, 232)  
}
```

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(9, 15, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 15, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 121.701, 305.756 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(9, 15, 232) }
```

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

```
.border{ border-color:rgb(9, 15, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 15, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 15, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 15, 232);  
box-shadow:4px 4px 4px 4px rgb(9, 15, 232)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 121.701, 305.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 15, 232) }
```

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

```
.background{ background-color: rgb(9, 15,  
232) }
```

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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