

Converting Colors

CIELCh(42, 84.629, 295.500)

Have a look what the booklet for
CIELCh(42, 84.629, 295.500)
contains.

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Color

CIELCh(42, 84.560, 295.435)

Conversions

Conversions Part 1

Format	Color
Hex	1F56E4
RGB	31, 86, 228
RGB Percent	12%, 34%, 89%
CMY	0.8771, 0.6637, 0.1070
CMYK	0.86, 0.62, 0.00, 0.11
HSL	223°, 78%, 51%
HSV	223°, 86%, 89%
XYZ	17.8473, 12.5000, 74.6619
YIQ	85.7430, -78.3620, 32.5020

Conversions

Conversions Part 2

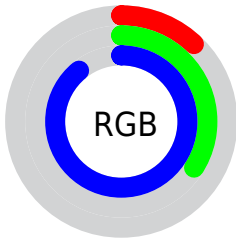
Format	Color
R_{YB}	31, 74, 228
Decimal	2053860
CIE _{Lab}	42.00, 36.32, -76.36
CIE _{LCh}	42, 84.560, 295.435
Yxy	12.5000, 0.1700, 0.1190
Android (android.graphics.Color)	4280243940 (0xFF1F56E4)
YUV	85.7430, 70.1327, -48.0096
Hunter-Lab	35.3553, 28.2344, -100.4573

Details

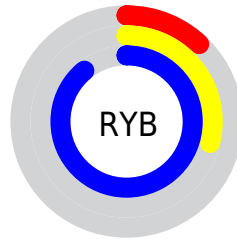
The CIELCh color **42, 84.560, 295.435** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **74, 72.349, 83.385**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 67.483, 292.963**, and **26, 81.771, 300.611** is the 20% darker color. If you saturate the color by 10%, you get **38, 95.135, 298.745**, and if you desaturate by 10%, it is **47, 73.789, 292.058**.

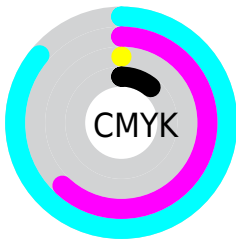
Distribution



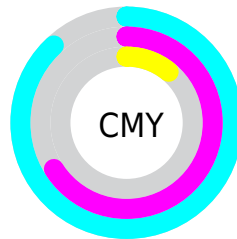
- Red (12%)
- Green (34%)
- Blue (89%)



- Red (12%)
- Yellow (29%)
- Blue (89%)



- Cyan (86%)
- Magenta (62%)
- Yellow (0%)
- Black (11%)





- Cyan (88%)
- Magenta (66%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 84.560, 295.435 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 42, 84.560, 295.435 by changing the saturation by 10% instead.


 42, 84.560,
295.435

 42, 84.560,
295.435


 100, 84.560,
295.435

 32, 84.560,
295.435

 62, 84.560,
295.435

 22, 84.560,
295.435

 72, 84.560,
295.435

 12, 84.560,
295.435

 82, 84.560,
295.435

 2, 84.560, 295.435

 92, 84.560,
295.435

 0, 84.560, 295.435

 42, 84.560,

 42, 84.560,

295.435

■ 38, 95.135,
298.745

■ 36, 98.950,
299.870

295.435

■ 47, 73.789,
292.058

■ 52, 63.190,
288.836

■ 58, 52.895,
285.907

■ 63, 42.914,
283.325

■ 69, 33.217,
281.092

■ 75, 23.770,
279.179

■ 81, 14.549,
277.546

■ 87, 5.535, 276.169

Harmonies

Complementary

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



42, 84.560, 295.435



74, 72.349, 83.385

Rectangle

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



42, 84.560, 295.435



42, 84.560, 345.435



42, 84.560, 115.435



42, 84.560, 165.435

Sweetspot

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



42, 84.561, 295.436



83, 25.813, 279.165



81, 59.522, 165.769



42, 17.569, 279.797



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 84.561, 295.436



41, 108.454, 300.068



34, 112.020, 307.047



45, 5.084, 276.583



28, 81.178, 299.354



5, 27.108, 290.082

Inverse Universe

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



50, 75.443, 16.618



54, 89.406, 24.382



85, 87.512, 114.824



45, 5.139, 358.404



37, 67.810, 22.985



7, 26.644, 9.737

Previews

White Background



This preview shows how the CIE LCh color 42, 84.560, 295.435 looks on a white background.

Color Contrast Check

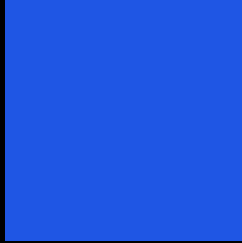
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 84.560, 295.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

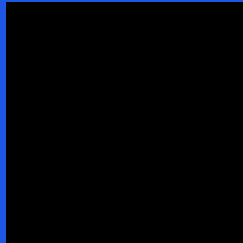
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 84.560, 295.435

Background



This preview shows how black text looks on a background with the CIELCh color 42, 84.560, 295.435.



This preview shows how white text looks on a background with the CIELCh color 42, 84.560, 295.435.

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

42, 84.572, 295.387

Protanopia

42, 64.112, 286.911

Deuteranopia

42, 44.817, 273.791



Tritanopia
42, 25.971, 206.113

Trichromacy



Original Color
42, 84.572, 295.387

Protanomaly
42, 71.516, 290.420

Deuteranomaly
41, 59.029, 285.125

Tritanomaly
41, 37.116, 266.017

Monochromacy



Original Color
42, 84.572, 295.387

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 32.340, 284.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 84.560, 295.435 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(31, 86, 228)` looks like.

```
.text, #text, p{  
    color:rgb(31, 86, 228)  
}
```

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(31, 86, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 86, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 84.560, 295.435 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(31, 86, 228) }
```

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

```
.border{ border-color:rgb(31, 86, 228) }
```

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

Here you see how a box with a 4 pixel rgb(31, 86, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 86, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 86, 228);  
box-shadow:4px 4px 4px 4px rgb(31, 86,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 84.560, 295.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 86, 228) }
```

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

```
.background{ background-color: rgb(31, 86,  
228) }
```

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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