

Converting Colors

CIELCh(44, 81.785, 297.477)

Have a look what the booklet for
CIELCh(44, 81.785, 297.477)
contains.

CIELCh(44, 82.146, 297.552)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 82.146, 297.552)

Conversions

Conversions Part 1

Format	Color
Hex	4458E3
RGB	68, 88, 227
RGB Percent	27%, 35%, 89%
CMY	0.7315, 0.6538, 0.1084
CMYK	0.70, 0.61, 0.00, 0.11
HSL	233°, 74%, 58%
HSV	233°, 70%, 89%
XYZ	19.8435, 13.8382, 74.5532
YIQ	97.8660, -56.5390, 38.9890

Conversions

Conversions Part 2

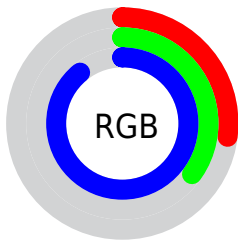
Format	Color
R _{YB}	68, 86, 227
Decimal	4479203
CIE Lab	44.00, 38.00, -72.83
CIE LCh	44, 82.146, 297.552
Yxy	13.8382, 0.1833, 0.1279
Android (android.graphics.Color)	4282669283 (0xFF4458E3)
YUV	97.8660, 63.6631, -26.1925
Hunter-Lab	37.1997, 30.1181, -92.7851

Details

The CIELCh color **44, 82.146, 297.552** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **83, 68.537, 96.927**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 65.427, 296.085**, and **26, 80.614, 300.296** is the 20% darker color. If you saturate the color by 10%, you get **38, 94.963, 300.242**, and if you desaturate by 10%, it is **50, 69.192, 294.932**.

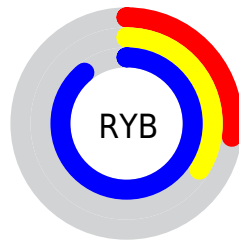
Distribution



Red (27%)

Green (35%)

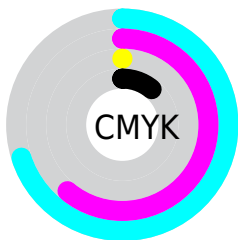
Blue (89%)



Red (27%)

Yellow (34%)

Blue (89%)

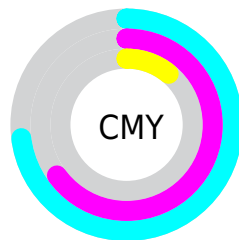


Cyan (70%)

Magenta (61%)

Yellow (0%)

Black (11%)



Cyan (73%)

Magenta (65%)

Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 82.146, 297.552 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 44, 82.146, 297.552 by changing the saturation by 10% instead.


 44, 82.146,
297.552


 44, 82.146,
297.552


 100, 82.146,
297.552

 34, 82.146,
297.552

 64, 82.146,
297.552

 24, 82.146,
297.552

 74, 82.146,
297.552

 14, 82.146,
297.552

 84, 82.146,
297.552

 4, 82.146, 297.552

 94, 82.146,
297.552

 0, 82.146, 297.552

 44, 82.146,

 44, 82.146,

297.552

■ 38, 94.963,
300.242

■ 34, 106.682,
302.738

■ 30, 115.866,
304.693

■ 30, 115.954,
304.711

297.552

■ 50, 69.192,
294.932

■ 57, 56.543,
292.532

■ 63, 44.342,
290.417

■ 70, 32.606,
288.592

■ 77, 21.308,
287.034

■ 84, 10.413,
285.710

■ 90, 0.111, 103.389

■ 97, 10.291,
103.577

■ 99, 13.990,
109.120

Harmonies

Complementary

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



44, 82.146, 297.552



83, 68.537, 96.927

Rectangle

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



44, 82.146, 297.552



44, 82.146, 347.552



44, 82.146, 117.552



44, 82.146, 167.552

Sweetspot

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



44, 82.146, 297.553



84, 24.755, 287.215



82, 45.473, 181.947



43, 16.838, 287.632



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 82.146, 297.553



41, 109.749, 301.446



45, 92.214, 308.986



44, 6.026, 285.658



23, 95.795, 304.423



3, 30.773, 294.218

Inverse Universe

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



53, 66.840, 21.792



55, 86.668, 27.926



84, 79.379, 121.242



45, 4.872, 9.906



37, 74.622, 34.368



6, 26.770, 16.581

Previews

White Background



This preview shows how the CIELCh color 44, 82.146, 297.552 looks on a white background.

Color Contrast Check

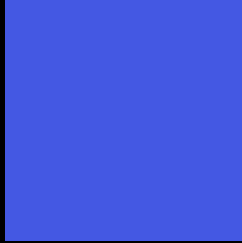
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 82.146, 297.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

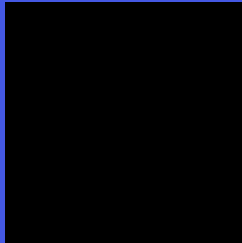
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 82.146, 297.552

Background



This preview shows how black text looks on a background with the CIELCh color 44, 82.146, 297.552.



This preview shows how white text looks on a background with the CIELCh color 44, 82.146, 297.552.

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

44, 82.146, 297.552

Protanopia

44, 66.530, 286.941

Deuteranopia

44, 46.840, 274.205



Tritanopia
44, 26.936, 207.010

Trichromacy



Original Color
44, 82.146, 297.552

Protanomaly
44, 72.191, 290.510

Deuteranomaly
43, 59.148, 284.947

Tritanomaly
43, 36.828, 266.115

Monochromacy



Original Color
44, 82.146, 297.552

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 30.912, 290.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 82.146, 297.552 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(68, 88, 227)` looks like.

```
.text, #text, p{  
    color:rgb(68, 88, 227)  
}
```

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(68, 88, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 88, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 82.146, 297.552 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(68, 88, 227) }
```

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

```
.border{ border-color:rgb(68, 88, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 88, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 88, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 88, 227);  
box-shadow:4px 4px 4px 4px rgb(68, 88,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 82.146, 297.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 88, 227) }
```

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

```
.background{ background-color: rgb(68, 88,  
227) }
```

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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