

Converting Colors

CIELCh(46, 86.235, 42.803)

Have a look what the booklet for
CIELCh(46, 86.235, 42.803) contains.

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Color

CIELCh(46, 86.095, 42.866)

Conversions

Conversions Part 1

Format	Color
Hex	D22801
RGB	210, 40, 1
RGB Percent	82%, 16%, 0%
CMY	0.1757, 0.8421, 0.9954
CMYK	0.00, 0.81, 0.99, 0.18
HSL	11°, 99%, 41%
HSV	11°, 99%, 82%
XYZ	27.4113, 15.2687, 1.5362
YIQ	86.3840, 113.8390, 23.9110

Conversions

Conversions Part 2

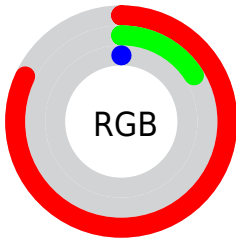
Format	Color
R_{YB}	210, 49, 1
Decimal	13772801
CIE _{Lab}	46.00, 63.10, 58.57
CIE _{LCh}	46, 86.095, 42.866
Yxy	15.2687, 0.6199, 0.3453
Android (android.graphics.Color)	4291962881 (0xFFD22801)
YUV	86.3840, -42.0943, 108.4112
Hunter-Lab	39.0751, 56.8366, 25.0217

Details

The CIELCh color **46, 86.095, 42.866** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **65, 37.757, 232.866**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 77.982, 44.113**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **46, 86.480, 42.916**, and if you desaturate by 10%, it is **48, 78.859, 42.532**.

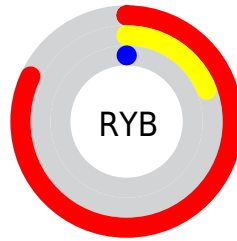
Distribution



Red (82%)

Green (16%)

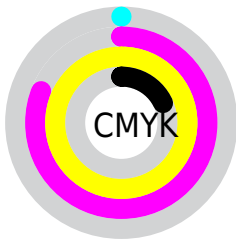
Blue (0%)



Red (82%)

Yellow (19%)

Blue (0%)

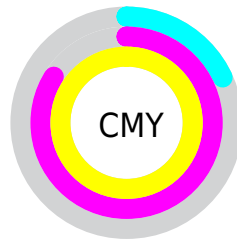


Cyan (0%)

Magenta (81%)

Yellow (99%)

Black (18%)



Cyan (18%)


Magenta (84%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 86.095, 42.866 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 46, 86.095, 42.866 by changing the saturation by 10% instead.

 46, 86.095, 42.866

 46, 86.095, 42.866

 100, 86.095,
42.866

 36, 86.095, 42.866

 66, 86.095, 42.866

 26, 86.095, 42.866

 76, 86.095, 42.866

 16, 86.095, 42.866

 86, 86.095, 42.866

 6, 86.095, 42.866

 96, 86.095, 42.866

 0, 86.095, 42.866

 46, 86.095, 42.866

 46, 86.095, 42.866

 46, 86.480, 42.916

 48, 78.859, 42.532

 51, 69.496, 41.581

- 54, 59.293, 40.439
- 57, 49.110, 39.445
- 61, 39.334, 38.698
- 66, 30.135, 38.197
- 70, 21.576, 37.908
- 75, 13.663, 37.786
- 80, 6.365, 37.766

Harmonies

Complementary

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



46, 86.095, 42.866



65, 37.757, 232.866

Rectangle

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



46, 86.095, 42.866



46, 86.095, 92.866



46, 86.095, 222.866



46, 86.095, 272.866

Sweetspot

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



46, 86.092, 42.868



83, 25.814, 37.927



48, 86.474, 337.197



42, 17.929, 38.033



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 86.092, 42.868



55, 100.391, 42.671



65, 71.276, 77.087



41, 3.809, 37.766



37, 72.917, 43.272



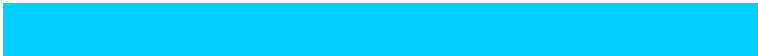
6, 17.905, 29.641

Inverse Universe

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



65, 37.757, 232.866



77, 43.760, 233.522



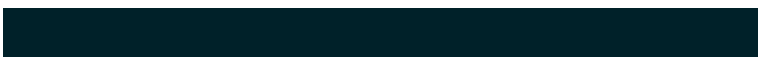
35, 87.042, 297.634



43, 3.591, 218.276



53, 32.003, 232.431



11, 12.210, 224.591

Previews

White Background



This preview shows how the CIELCh color 46, 86.095, 42.866 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 CIELCh color 46, 86.095, 42.866 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 46, 86.095, 42.866

Background



This preview shows how black text looks on a background with the CIELCh color 46, 86.095, 42.866.



This preview shows how white text looks on a background with the CIELCh color 46, 86.095, 42.866.

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

46, 86.095, 42.866

Protanopia

46, 46.102, 95.187

Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 78.658, 34.995

Trichromacy



Original Color
46, 86.095, 42.866

Protanomaly
44, 53.915, 63.068

Deuteranomaly
44, 61.663, 60.197

Tritanomaly
46, 81.954, 38.755

Monochromacy



Original Color
46, 86.095, 42.866

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 32.136, 38.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 86.095, 42.866 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(210, 40, 1)` looks like.

```
.text, #text, p{  
    color:rgb(210, 40, 1)  
}
```

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(210, 40, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 40, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 86.095, 42.866 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(210, 40, 1) }
```

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

```
.border{ border-color:rgb(210, 40, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 40, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 40, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 40, 1);  
box-shadow:4px 4px 4px 4px rgb(210, 40, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 86.095, 42.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 40, 1) }
```

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

```
.background{ background-color: rgb(210, 40,  
1) }
```

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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