

Converting Colors

CIELCh(88, 45.428, 113.907)

Have a look what the booklet for
CIELCh(88, 45.428, 113.907)
contains.

CIELCh(88, 45.646, 113.970)	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(88, 45.646, 113.970)

Conversions

Conversions Part 1

Format	Color
Hex	D6E58C
RGB	214, 229, 140
RGB Percent	84%, 90%, 55%
CMY	0.1617, 0.1028, 0.4518
CMYK	0.07, 0.00, 0.39, 0.10
HSL	70°, 63%, 72%
HSV	70°, 39%, 90%
XYZ	60.3422, 72.0653, 35.4596
YIQ	214.3690, 19.6290, -30.8590

Conversions

Conversions Part 2

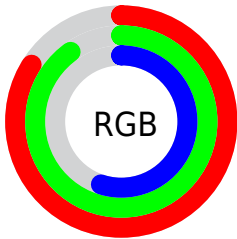
Format	Color
RYB	140, 229, 155
Decimal	14083468
CIELab	88.00, -18.54, 41.71
CIELCh	88, 45.646, 113.970
Yxy	72.0653, 0.3595, 0.4293
Android (android.graphics.Color)	4292273548 (0xFFD6E58C)
YUV	214.3690, -36.6639, -0.3236
Hunter-Lab	84.8913, -21.6789, 34.6581

Details

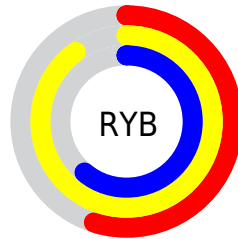
The CIELCh color **88, 45.646, 113.970** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **63, 50.154, 300.478**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 30.226, 107.879**, and **68, 45.935, 114.119** is the 20% darker color. If you saturate the color by 10%, you get **87, 56.619, 113.318**, and if you desaturate by 10%, it is **89, 34.202, 114.682**.

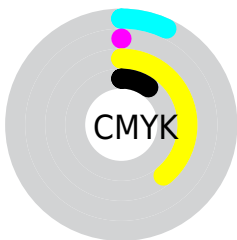
Distribution



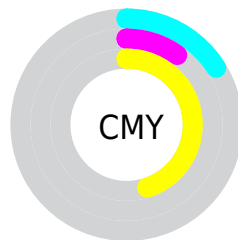
- Red (84%)
- Green (90%)
- Blue (55%)



- Red (55%)
- Yellow (90%)
- Blue (61%)



- Cyan (7%)
- Magenta (0%)
- Yellow (39%)
- Black (10%)




- Cyan (16%)
- Magenta (10%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 45.646, 113.970 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 88, 45.646, 113.970 by changing the saturation by 10% instead.


 88, 45.646,
113.970


 88, 45.646,
113.970


 100, 45.646,
113.970


 78, 45.646,
113.970

 68, 45.646,
113.970

 58, 45.646,
113.970

 48, 45.646,
113.970

 38, 45.646,
113.970


 28, 45.646,
113.970


 18, 45.646,


113.970


 8, 45.646, 113.970


 0, 45.646, 113.970

 88, 45.646,
113.970


 88, 45.646,
113.970


 87, 56.619,
113.318


 89, 34.202,
114.682

 87, 66.821,
112.766

 89, 22.479,
115.414


 86, 75.829,
112.382

 90, 10.607,
116.144

 86, 83.103,
112.250

 91, 1.328, 296.860

 86, 88.117,

 92, 13.268,
297.549

112.454

92, 13.904,
302.803

85, 90.790,
113.018

92, 14.240,
308.058

85, 91.028,
113.088

93, 14.688,
313.069

93, 15.241,
317.786

Harmonies

Complementary

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



88, 45.646, 113.970



63, 50.154, 300.478

Rectangle

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



88, 45.646, 113.970



88, 45.646, 163.970



88, 45.646, 293.970



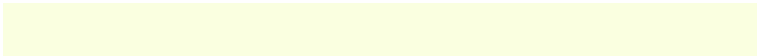
88, 45.646, 343.970

Sweetspot

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



88, 45.648, 113.972



99, 15.616, 115.913



71, 32.212, 36.326



53, 10.355, 115.818



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 45.648, 113.972



96, 59.581, 113.418



85, 51.050, 132.784



48, 6.788, 116.104



68, 75.562, 112.933



20, 29.676, 112.878

Inverse Universe

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



63, 50.154, 300.478



63, 67.194, 301.545



67, 52.780, 316.349



44, 6.933, 297.500



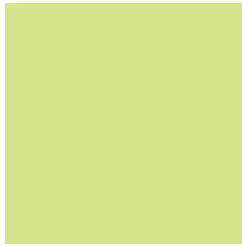
22, 101.197, 307.029



3, 34.032, 300.790

Previews

White Background



This preview shows how the CIELCh color 88, 45.646, 113.970 looks on a white 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

Black Background



This preview shows how the CIE LCh color 88, 45.646, 113.970 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 ✓ Pass

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

CIELCh 88, 45.646, 113.970

Background



This preview shows how black text looks on a background with the CIELCh color 88, 45.646, 113.970.

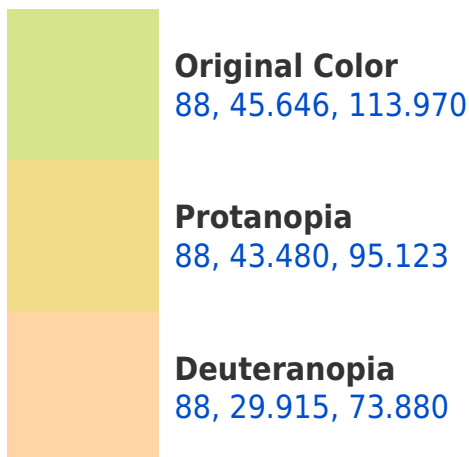


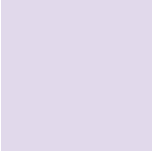
This preview shows how white text looks on a background with the CIELCh color 88, 45.646, 113.970.

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](#).

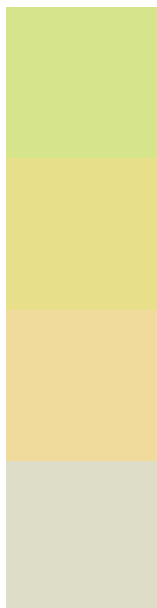
Dichromacy





Tritanopia
88, 9.865, 307.456

Trichromacy



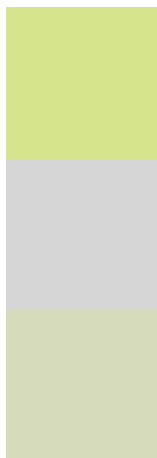
Original Color
88, 45.646, 113.970

Protanomaly
88, 43.568, 102.220

Deuteranomaly
88, 33.687, 92.902

Tritanomaly
88, 10.920, 109.258

Monochromacy



Original Color
88, 45.646, 113.970

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 16.778, 115.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 45.646, 113.970 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(214, 229, 140)` looks like.

```
.text, #text, p{  
    color:rgb(214, 229, 140)  
}
```

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(214, 229, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 229, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 45.646, 113.970 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(214, 229, 140) }
```

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

```
.border{ border-color:rgb(214, 229, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 229, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 229, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 229, 140);  
box-shadow:4px 4px 4px 4px rgb(214, 229,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 45.646, 113.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 229, 140) }
```

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

```
.background{ background-color: rgb(214,  
229, 140) }
```

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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