

Converting Colors

CIELCh(68, 12.855, 188.238)

Have a look what the booklet for
CIELCh(68, 12.855, 188.238)
contains.

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Color

CIELCh(68, 12.842, 188.432)

Conversions

Conversions Part 1

Format	Color
Hex	8AADA9
RGB	138, 173, 169
RGB Percent	54%, 68%, 66%
CMY	0.4602, 0.3230, 0.3387
CMYK	0.20, 0.00, 0.02, 0.32
HSL	173°, 18%, 61%
HSV	173°, 20%, 68%
XYZ	32.4242, 37.9720, 42.9789
YIQ	162.0790, -19.5760, -8.6640

Conversions

Conversions Part 2

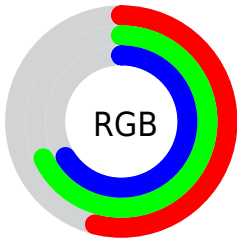
Format	Color
RYB	138, 157, 173
Decimal	9088425
CIELab	68.00, -12.70, -1.88
CIElCh	68, 12.842, 188.432
Yxy	37.9720, 0.2860, 0.3349
Android (android.graphics.Color)	4287278505 (0xFF8AADA9)
YUV	162.0790, 3.4121, -21.1173
Hunter-Lab	61.6215, -13.9137, 1.7822

Details

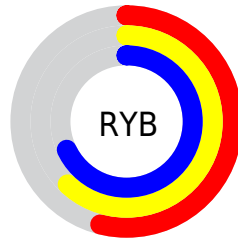
The CIELCh color $68, 12.842, 188.432$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $61, 14.227, 11.851$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 12.650, 189.039$, and $48, 13.093, 187.568$ is the 20% darker color. If you saturate the color by 10%, you get $67, 18.666, 187.600$, and if you desaturate by 10%, it is $69, 6.646, 189.258$.

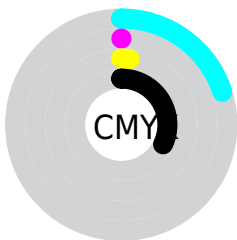
Distribution



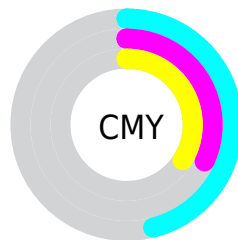
- Red (54%)
- Green (68%)
- Blue (66%)



- Red (54%)
- Yellow (62%)
- Blue (68%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)



- Cyan (46%)
- Magenta (32%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 12.842, 188.432 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 68, 12.842, 188.432 by changing the saturation by 10% instead.

 68, 12.842,
188.432


 68, 12.842,
188.432


 100, 12.842,
188.432


 58, 12.842,
188.432


 88, 12.842,
188.432

 48, 12.842,
188.432

 98, 12.842,
188.432

 38, 12.842,
188.432

 28, 12.842,
188.432

 18, 12.842,
188.432

 8, 12.842, 188.432

 0, 12.842, 188.432

68, 12.842,
188.432

68, 12.842,
188.432

67, 18.666,
187.600

69, 6.646, 189.258

66, 24.010,
186.755

71, 0.175, 192.701

72, 6.481, 10.661

65, 28.767,
185.878

74, 13.247, 11.454

65, 32.847,
184.956

75, 20.061, 12.209

77, 26.875, 12.945

64, 36.179,
183.972

79, 32.289, 13.146

64, 38.733,
182.908

79, 32.332, 11.310

79, 32.410, 9.480

64, 40.532,
181.746

63, 41.741,

180.540

Harmonies

Complementary

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



68, 12.842, 188.432



61, 14.227, 11.851

Rectangle

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



68, 12.842, 188.432



68, 12.842, 238.432



68, 12.842, 8.432



68, 12.842, 58.432

Sweetspot

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



68, 12.843, 188.427



88, 4.840, 189.633



68, 22.714, 140.155



47, 3.203, 189.573



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 12.843, 188.427



86, 18.625, 188.085



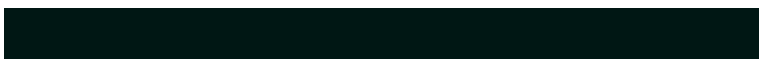
64, 10.541, 244.280



36, 3.683, 189.341



56, 37.667, 180.695



6, 8.038, 186.210

Inverse Universe

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



61, 14.227, 11.851



75, 21.110, 12.344



64, 11.551, 59.926



34, 3.855, 10.699



31, 65.728, 34.283



2, 7.887, 11.696

Previews

White Background



This preview shows how the CIELCh color 68, 12.842, 188.432 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 CIELCh color 68, 12.842, 188.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

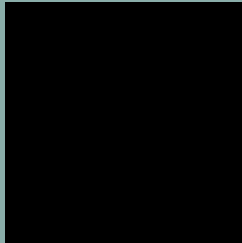
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 12.842, 188.432

Background



This preview shows how black text looks on a background with the CIELCh color 68, 12.842, 188.432.

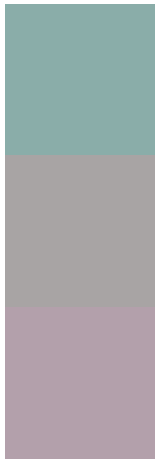


This preview shows how white text looks on a background with the CIELCh color 68, 12.842, 188.432.

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
68, 12.842, 188.432

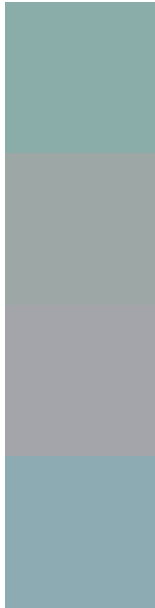
Protanopia
68, 1.524, 19.228

Deuteranopia
68, 9.443, 340.407



Tritanopia
68, 12.485, 237.111

Trichromacy



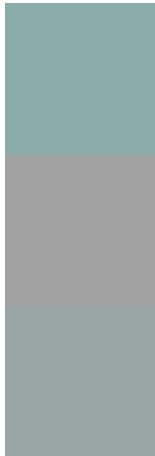
Original Color
68, 12.842, 188.432

Protanomaly
68, 3.784, 190.820

Deuteranomaly
68, 2.780, 282.764

Tritanomaly
68, 11.477, 218.321

Monochromacy



Original Color
68, 12.842, 188.432

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 4.995, 186.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 12.842, 188.432 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(138, 173, 169)` looks like.

```
.text, #text, p{  
    color:rgb(138, 173, 169)  
}
```

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(138, 173, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 173, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 12.842, 188.432 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(138, 173, 169) }
```

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

```
.border{ border-color:rgb(138, 173, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 173, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 173, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 173, 169);  
box-shadow:4px 4px 4px 4px rgb(138, 173,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 12.842, 188.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 173, 169) }
```

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

```
.background{ background-color: rgb(138,  
173, 169) }
```

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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