

Converting Colors

CIELCh(67, 30.977, 206.381)

Have a look what the booklet for
CIELCh(67, 30.977, 206.381)
contains.

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Color

CIELCh(67, 30.943, 206.395)

Conversions

Conversions Part 1

Format	Color
Hex	46B2BB
RGB	70, 178, 187
RGB Percent	27%, 70%, 73%
CMY	0.7264, 0.3027, 0.2675
CMYK	0.63, 0.05, 0.00, 0.27
HSL	185°, 46%, 50%
HSV	185°, 63%, 73%
XYZ	27.3359, 36.6320, 52.5293
YIQ	146.7340, -67.2570, -20.0970

Conversions

Conversions Part 2

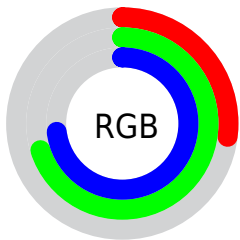
Format	Color
RYB	70, 126, 187
Decimal	4633275
CIELab	67.00, -27.72, -13.76
CIELCh	67, 30.943, 206.395
Yxy	36.6320, 0.2346, 0.3144
Android (android.graphics.Color)	4282823355 (0xFF46B2BB)
YUV	146.7340, 19.8511, -67.2957
Hunter-Lab	60.5244, -25.2978, -9.0909

Details

The CIELCh color **67, 30.943, 206.395** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **48, 50.871, 32.316**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 30.899, 206.323**, and **47, 28.572, 207.492** is the 20% darker color. If you saturate the color by 10%, you get **66, 33.372, 206.956**, and if you desaturate by 10%, it is **68, 27.690, 206.030**.

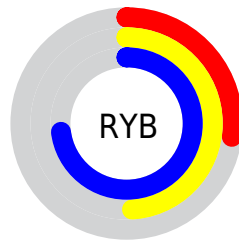
Distribution



Red (27%)

Green (70%)

Blue (73%)



Red (27%)

Yellow (49%)

Blue (73%)

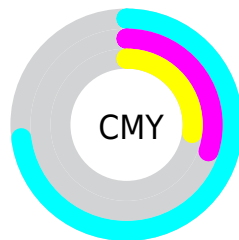


Cyan (63%)

Magenta (5%)

Yellow (0%)

Black (27%)



Cyan (73%)


Magenta (30%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 30.943, 206.395 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 67, 30.943, 206.395 by changing the saturation by 10% instead.


 67, 30.943,
206.395


 67, 30.943,
206.395


 100, 30.943,
206.395


 57, 30.943,
206.395


 87, 30.943,
206.395

 47, 30.943,
206.395

 97, 30.943,
206.395

 37, 30.943,
206.395

 27, 30.943,
206.395

 17, 30.943,
206.395

 7, 30.943, 206.395

 0, 30.943, 206.395

67, 30.943,
206.395

67, 30.943,
206.395

66, 33.372,
206.956

68, 27.690,
206.030

65, 34.970,
207.744

69, 23.668,
205.839

65, 35.784,
208.781

71, 18.957,
205.794

64, 36.040,
209.667

72, 13.656,
205.874

74, 7.868, 206.069

75, 1.692, 206.559

77, 4.780, 26.442

79, 11.470, 26.858

81, 18.311, 27.261

Harmonies

Complementary

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



67, 30.943, 206.395



48, 50.871, 32.316

Rectangle

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



67, 30.943, 206.395



67, 30.943, 256.395



67, 30.943, 26.395



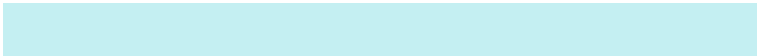
67, 30.943, 76.395

Sweetspot

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



67, 30.943, 206.394



92, 14.303, 205.926



67, 70.907, 140.599



49, 9.831, 205.881



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 30.943, 206.394



83, 41.367, 207.210



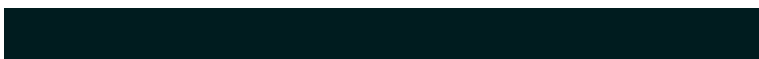
50, 40.168, 275.516



39, 3.585, 206.165



55, 31.888, 209.483



8, 10.528, 207.292

Inverse Universe

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



50, 69.275, 330.019



60, 95.839, 330.632



60, 44.279, 73.851



37, 6.707, 327.086



37, 76.171, 331.507



3, 19.925, 328.301

Previews

White Background



This preview shows how the CIELCh color 67, 30.943, 206.395 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 67, 30.943, 206.395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

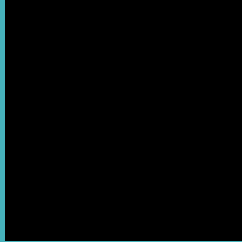
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

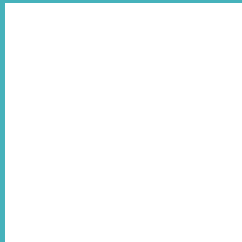
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 30.943, 206.395

Background



This preview shows how black text looks on a background with the CIELCh color 67, 30.943, 206.395.

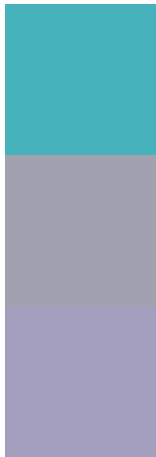


This preview shows how white text looks on a background with the CIELCh color 67, 30.943, 206.395.

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
67, 30.943, 206.395

Protanopia
67, 8.304, 291.043

Deuteranopia
67, 18.454, 298.633



Tritanopia
67, 30.350, 212.107

Trichromacy



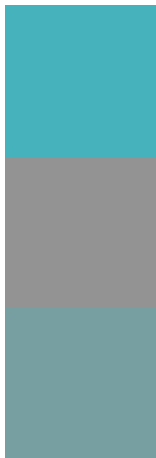
Original Color
67, 30.943, 206.395

Protanomaly
66, 14.923, 227.479

Deuteranomaly
66, 17.362, 249.107

Tritanomaly
67, 30.506, 209.821

Monochromacy



Original Color
67, 30.943, 206.395

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 13.847, 205.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 30.943, 206.395 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(70, 178, 187)` looks like.

```
.text, #text, p{  
    color:rgb(70, 178, 187)  
}
```

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(70, 178, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 178, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 30.943, 206.395 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(70, 178, 187) }
```

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

```
.border{ border-color:rgb(70, 178, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 178, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 178, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 178, 187);  
box-shadow:4px 4px 4px 4px rgb(70, 178,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 30.943, 206.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 178, 187) }
```

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

```
.background{ background-color: rgb(70, 178,  
187) }
```

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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