

Converting Colors

CIELCh(65, 12.978, 231.549)

Have a look what the booklet for
CIELCh(65, 12.978, 231.549)
contains.

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Color

CIELCh(65, 12.803, 230.174)

Conversions

Conversions Part 1

Format	Color
Hex	83A3AF
RGB	131, 163, 175
RGB Percent	51%, 64%, 69%
CMY	0.4868, 0.3613, 0.3143
CMYK	0.25, 0.07, 0.00, 0.31
HSL	196°, 22%, 60%
HSV	196°, 25%, 69%
XYZ	30.1339, 34.0472, 45.4660
YIQ	154.8000, -22.9240, -3.0520

Conversions

Conversions Part 2

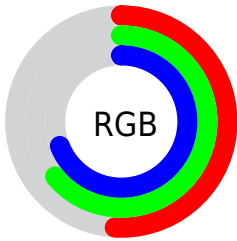
Format	Color
RYB	131, 150, 175
Decimal	8627119
CIELab	65.00, -8.20, -9.83
CIElCh	65, 12.803, 230.174
Yxy	34.0472, 0.2748, 0.3105
Android (android.graphics.Color)	4286817199 (0xFF83A3AF)
YUV	154.8000, 9.9586, -20.8726
Hunter-Lab	58.3500, -9.9290, -5.3536

Details

The CIELCh color `65, 12.803, 230.174` is a light color, and the websafe version is hex `669999`. A complement of this color would be `62, 14.930, 46.974`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 12.869, 231.011`, and `45, 12.983, 232.089` is the 20% darker color. If you saturate the color by 10%, you get `63, 17.334, 231.357`, and if you desaturate by 10%, it is `67, 7.922, 229.260`.

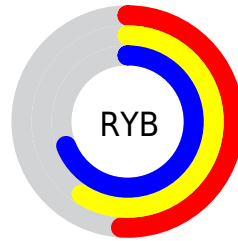
Distribution



Red (51%)

Green (64%)

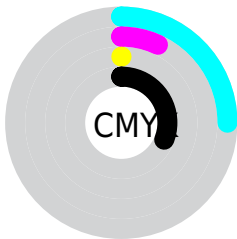
Blue (69%)



Red (51%)

Yellow (59%)

Blue (69%)

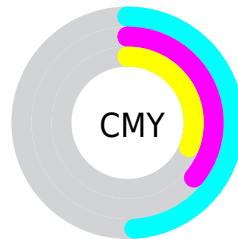


Cyan (25%)

Magenta (7%)

Yellow (0%)

Black (31%)



Cyan (49%)


Magenta (36%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 12.803, 230.174 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 65, 12.803, 230.174 by changing the saturation by 10% instead.


 65, 12.803,
230.174


 65, 12.803,
230.174


 100, 12.803,
230.174


 55, 12.803,
230.174


 85, 12.803,
230.174

 45, 12.803,
230.174

 95, 12.803,
230.174

 35, 12.803,
230.174

 25, 12.803,
230.174

 15, 12.803,
230.174

 5, 12.803, 230.174

 0, 12.803, 230.174

65, 12.803,
230.174

65, 12.803,
230.174

63, 17.334,
231.357

67, 7.922, 229.260

60, 21.447,
232.887

70, 2.758, 228.653

73, 2.629, 47.754

58, 25.082,
234.836

75, 8.187, 47.455

56, 28.196,
237.292

78, 13.870, 47.160

81, 19.643, 46.933

54, 30.780,
240.343

84, 25.475, 46.763

52, 32.875,
244.056

85, 25.679, 52.561

86, 25.586, 59.134

51, 34.590,
248.440

50, 35.399,

250.632

Harmonies

Complementary

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



65, 12.803, 230.174



62, 14.930, 46.974

Rectangle

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



65, 12.803, 230.174



65, 12.803, 280.174



65, 12.803, 50.174



65, 12.803, 100.174

Sweetspot

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



65, 12.803, 230.168



88, 5.253, 228.786



68, 24.466, 151.086



46, 3.751, 228.873



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 12.803, 230.168



81, 18.567, 230.767



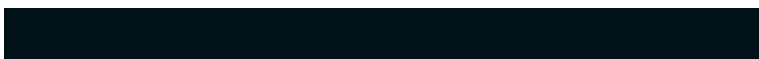
59, 19.343, 281.777



35, 2.979, 228.853



43, 31.555, 249.986



4, 6.408, 238.912

Inverse Universe

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



60, 24.547, 334.911



73, 36.169, 335.311



68, 18.945, 95.361



34, 5.446, 333.780



33, 63.583, 342.615



2, 10.736, 336.778

Previews

White Background



This preview shows how the CIELCh color 65, 12.803, 230.174 looks on a white background.

Color Contrast Check

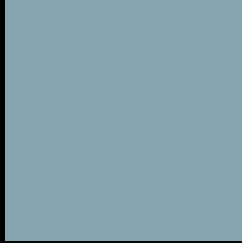
Large Text (above 18pt) WCAG AA × Fail

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 65, 12.803, 230.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

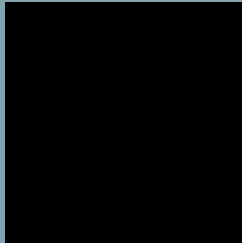
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

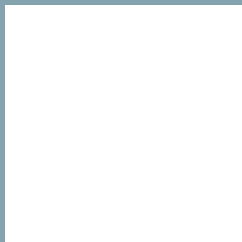
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 12.803, 230.174

Background



This preview shows how black text looks on a background with the CIELCh color 65, 12.803, 230.174.



This preview shows how white text looks on a background with the CIELCh color 65, 12.803, 230.174.

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


65, 12.803, 230.174

Protanopia

65, 8.352, 291.068

Deuteranopia

65, 14.023, 308.233



Tritanopia
65, 13.056, 232.412

Trichromacy



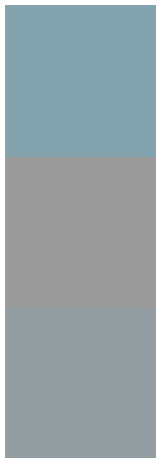
Original Color
65, 12.803, 230.174

Protanomaly
65, 8.660, 263.649

Deuteranomaly
65, 10.683, 281.582

Tritanomaly
65, 13.056, 232.412

Monochromacy



Original Color
65, 12.803, 230.174

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.937, 226.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 12.803, 230.174 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(131, 163, 175)` looks like.

```
.text, #text, p{  
    color:rgb(131, 163, 175)  
}
```

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(131, 163, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 163, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 12.803, 230.174 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(131, 163, 175) }
```

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

```
.border{ border-color:rgb(131, 163, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 163, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 163, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 163, 175);  
box-shadow:4px 4px 4px 4px rgb(131, 163,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 12.803, 230.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 163, 175) }
```

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

```
.background{ background-color: rgb(131,  
163, 175) }
```

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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