

Converting Colors

CIELCh(66, 12.359, 227.012)

Have a look what the booklet for
CIELCh(66, 12.359, 227.012)
contains.

CIELCh(66, 12.333, 225.419)	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(66, 12.333, 225.419)

Conversions

Conversions Part 1

Format	Color
Hex	86A6B0
RGB	134, 166, 176
RGB Percent	53%, 65%, 69%
CMY	0.4757, 0.3502, 0.3110
CMYK	0.24, 0.06, 0.00, 0.31
HSL	194°, 21%, 61%
HSV	194°, 24%, 69%
XYZ	31.1672, 35.3238, 46.0855
YIQ	157.5720, -22.2820, -3.6740

Conversions

Conversions Part 2

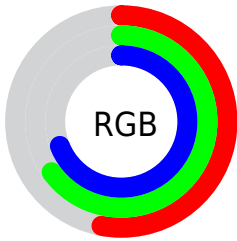
Format	Color
RYB	134, 152, 176
Decimal	8824496
CIELab	66.00, -8.66, -8.78
CIELCh	66, 12.333, 225.419
Yxy	35.3238, 0.2769, 0.3138
Android (android.graphics.Color)	4287014576 (0xFF86A6B0)
YUV	157.5720, 9.0850, -20.6726
Hunter-Lab	59.4338, -10.4035, -4.3703

Details

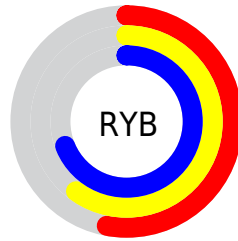
The CIELCh color **66, 12.333, 225.419** is a light color, and the websafe version is hex **669999**. A complement of this color would be **62, 14.365, 43.211**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 12.395, 226.628**, and **46, 12.477, 226.967** is the 20% darker color. If you saturate the color by 10%, you get **64, 16.916, 226.350**, and if you desaturate by 10%, it is **68, 7.377, 224.726**.

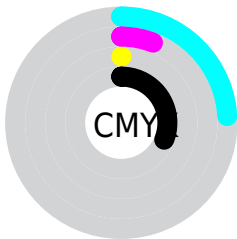
Distribution



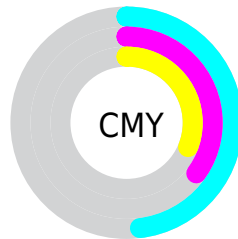
- Red (53%)
- Green (65%)
- Blue (69%)



- Red (53%)
- Yellow (60%)
- Blue (69%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)





- Cyan (48%)
- Magenta (35%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 12.333, 225.419 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 66, 12.333, 225.419 by changing the saturation by 10% instead.


 66, 12.333,
225.419


 66, 12.333,
225.419


 100, 12.333,
225.419


 56, 12.333,
225.419


 86, 12.333,
225.419

 46, 12.333,
225.419

 96, 12.333,
225.419

 36, 12.333,
225.419

 26, 12.333,
225.419

 16, 12.333,
225.419

 6, 12.333, 225.419

 0, 12.333, 225.419

66, 12.333,
225.419

66, 12.333,
225.419

64, 16.916,
226.350

68, 7.377, 224.726

62, 21.051,
227.589

71, 2.120, 224.361

73, 3.373, 43.607

60, 24.667,
229.199

76, 9.045, 43.427

58, 27.709,
231.265

78, 14.849, 43.266

81, 20.747, 43.161

56, 30.152,
233.873

84, 26.074, 43.631

54, 32.019,
237.105

85, 25.560, 49.249

86, 25.309, 55.038

53, 33.397,
241.007

52, 34.140,

243.562

Harmonies

Complementary

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



66, 12.333, 225.419



62, 14.365, 43.211

Rectangle

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



66, 12.333, 225.419



66, 12.333, 275.419



66, 12.333, 45.419



66, 12.333, 95.419

Sweetspot

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



66, 12.333, 225.413



89, 4.693, 224.411



68, 23.920, 149.985



47, 3.042, 224.431



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 12.333, 225.413



83, 18.263, 225.905



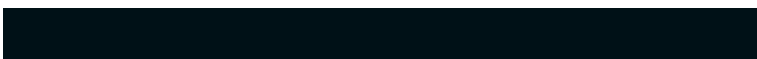
60, 17.698, 279.419



35, 3.007, 224.494



45, 30.373, 242.948



4, 6.389, 233.885

Inverse Universe

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



61, 23.976, 333.447



75, 36.142, 333.843



68, 17.485, 93.207



34, 5.583, 332.452



33, 65.112, 340.316



2, 11.057, 335.047

Previews

White Background



This preview shows how the CIELCh color 66, 12.333, 225.419 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 66, 12.333, 225.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

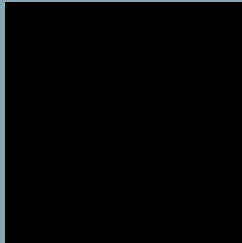
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

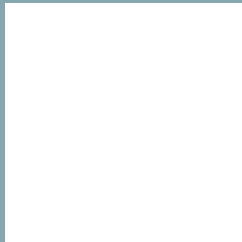
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 12.333, 225.419

Background



This preview shows how black text looks on a background with the CIELCh color 66, 12.333, 225.419.

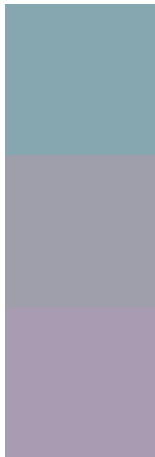


This preview shows how white text looks on a background with the CIELCh color 66, 12.333, 225.419.

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


66, 12.333, 225.419

Protanopia

66, 7.214, 290.939

Deuteranopia

66, 12.921, 309.613



Tritanopia
66, 12.769, 233.207

Trichromacy



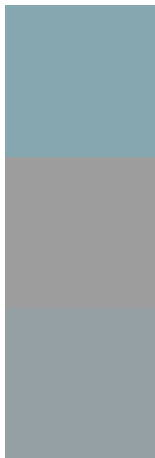
Original Color
66, 12.333, 225.419

Protanomaly
66, 7.678, 259.560

Deuteranomaly
66, 9.560, 280.263

Tritanomaly
66, 12.510, 230.944

Monochromacy



Original Color
66, 12.333, 225.419

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 4.606, 228.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 12.333, 225.419 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(134, 166, 176)` looks like.

```
.text, #text, p{  
    color:rgb(134, 166, 176)  
}
```

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(134, 166, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 166, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 12.333, 225.419 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(134, 166, 176) }
```

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

```
.border{ border-color:rgb(134, 166, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 166, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 166, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 166, 176);  
box-shadow:4px 4px 4px 4px rgb(134, 166,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 12.333, 225.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 166, 176) }
```

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

```
.background{ background-color: rgb(134,  
166, 176) }
```

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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