

Converting Colors

CIELCh(65, 13.171, 236.083)

Have a look what the booklet for
CIELCh(65, 13.171, 236.083)
contains.

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Color

CIELCh(65, 13.326, 234.564)

Conversions

Conversions Part 1

Format	Color
Hex	83A3B1
RGB	131, 163, 177
RGB Percent	51%, 64%, 69%
CMY	0.4875, 0.3620, 0.3071
CMYK	0.26, 0.08, 0.00, 0.31
HSL	198°, 23%, 60%
HSV	198°, 26%, 69%
XYZ	30.2596, 34.0472, 46.4077
YIQ	155.0280, -23.5660, -2.4300

Conversions

Conversions Part 2

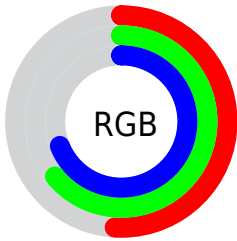
Format	Color
RYB	131, 150, 177
Decimal	8627121
CIELab	65.00, -7.73, -10.86
CIElCh	65, 13.326, 234.564
Yxy	34.0472, 0.2733, 0.3075
Android (android.graphics.Color)	4286817201 (0xFF83A3B1)
YUV	155.0280, 10.8322, -21.0726
Hunter-Lab	58.3500, -9.5444, -6.3103

Details

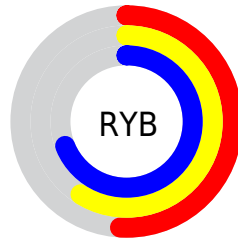
The CIELCh color $65, 13.326, 234.564$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $63, 15.492, 50.459$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 13.388, 235.066$, and $45, 13.258, 234.470$ is the 20% darker color. If you saturate the color by 10%, you get $62, 17.913, 235.961$, and if you desaturate by 10%, it is $68, 8.412, 233.462$.

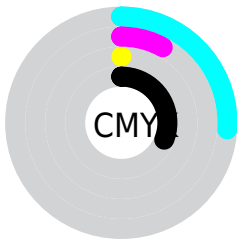
Distribution



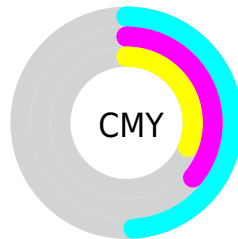
- Red (51%)
- Green (64%)
- Blue (69%)



- Red (51%)
- Yellow (59%)
- Blue (69%)



- Cyan (26%)
- Magenta (8%)
- Yellow (0%)
- Black (31%)





- Cyan (49%)
- Magenta (36%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 13.326, 234.564 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, 13.326, 234.564 by changing the saturation by 10% instead.


 65, 13.326,
234.564


 65, 13.326,
234.564


 100, 13.326,
234.564


 55, 13.326,
234.564


 85, 13.326,
234.564

 45, 13.326,
234.564

 95, 13.326,
234.564

 35, 13.326,
234.564

 25, 13.326,
234.564

 15, 13.326,
234.564

 5, 13.326, 234.564

 0, 13.326, 234.564

65, 13.326,
234.564

65, 13.326,
234.564

62, 17.913,
235.961

68, 8.412, 233.462

60, 22.112,
237.735

70, 3.231, 232.666

73, 2.159, 51.614

58, 25.872,
239.961

76, 7.709, 51.215

55, 29.159,
242.728

79, 13.377, 50.804

82, 19.129, 50.469

53, 31.980,
246.115

85, 24.936, 50.200

51, 34.393,
250.172

86, 24.929, 57.508

88, 25.153, 65.078

49, 36.524,
254.855

49, 37.382,

256.729

Harmonies

Complementary

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



65, 13.326, 234.564



63, 15.492, 50.459

Rectangle

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



65, 13.326, 234.564



65, 13.326, 284.564



65, 13.326, 54.564



65, 13.326, 104.564

Sweetspot

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



65, 13.326, 234.559



88, 5.281, 232.799



68, 24.889, 152.273



46, 3.738, 232.907



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, 13.326, 234.559



81, 19.329, 235.289



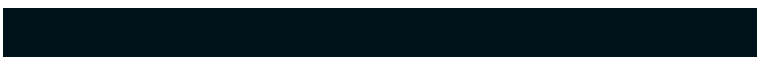
59, 21.025, 283.913



36, 3.040, 232.885



42, 33.437, 256.094



4, 7.609, 244.835

Inverse Universe

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



60, 25.059, 336.298



73, 36.899, 336.733



69, 20.423, 97.415



35, 5.454, 335.055



34, 63.048, 344.876



2, 12.161, 339.011

Previews

White Background



This preview shows how the CIE LCh color 65, 13.326, 234.564 looks on a white background.

Color Contrast Check

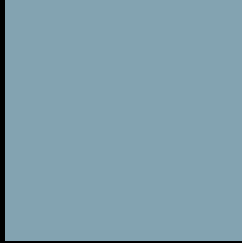
Large Text (above 18pt) WCAG AA × Fail

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 65, 13.326, 234.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

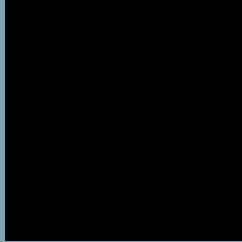
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

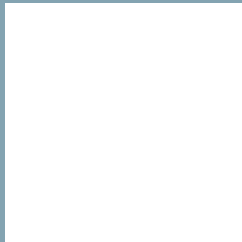
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 13.326, 234.564

Background



This preview shows how black text looks on a background with the CIELCh color 65, 13.326, 234.564.



This preview shows how white text looks on a background with the CIELCh color 65, 13.326, 234.564.

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, 13.326, 234.564

Protanopia
65, 9.464, 291.183

Deuteranopia
65, 14.995, 305.700



Tritanopia
65, 13.056, 232.412

Trichromacy



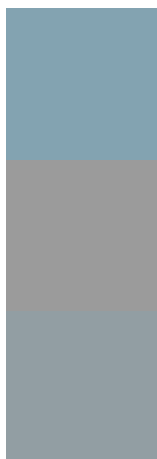
Original Color
65, 13.326, 234.564

Protanomaly
65, 9.650, 266.909

Deuteranomaly
65, 11.829, 280.951

Tritanomaly
65, 13.056, 232.412

Monochromacy



Original Color
65, 13.326, 234.564

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 5.191, 231.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 13.326, 234.564 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(131, 163, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 163, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 13.326, 234.564 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, 177) }
```

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

```
.border{ border-color:rgb(131, 163, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 163, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 163, 177); box-shadow:4px 4px 4px 4px rgb(131, 163, 177) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 13.326, 234.564 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, 177) }
```

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

```
.background{ background-color: rgb(131,  
163, 177) }
```

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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