

Converting Colors

CIELCh(65, 16.421, 248.270)

Have a look what the booklet for
CIELCh(65, 16.421, 248.270)
contains.

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Color

CIELCh(65, 16.618, 249.429)

Conversions

Conversions Part 1

Format	Color
Hex	81A2B9
RGB	129, 162, 185
RGB Percent	51%, 64%, 73%
CMY	0.4938, 0.3644, 0.2742
CMYK	0.30, 0.12, 0.00, 0.27
HSL	205°, 29%, 62%
HSV	205°, 30%, 73%
XYZ	30.7642, 34.0472, 50.8931
YIQ	154.7550, -27.0510, 0.1570

Conversions

Conversions Part 2

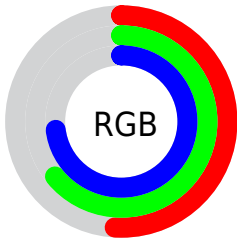
Format	Color
R_{YB}	129, 150, 185
Decimal	8495801
CIE _{Lab}	65.00, -5.84, -15.56
CIE _{LCh}	65, 16.618, 249.429
Yxy	34.0472, 0.2659, 0.2943
Android (android.graphics.Color)	4286685881 (0xFF81A2B9)
YUV	154.7550, 14.9108, -22.5871
Hunter-Lab	58.3500, -8.0008, -10.8681

Details

The CIELCh color `65, 16.618, 249.429` is a light color, and the websafe version is hex `669999`. A complement of this color would be `65, 18.928, 62.064`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 16.568, 248.814`, and `45, 16.706, 250.911` is the 20% darker color. If you saturate the color by 10%, you get `62, 21.701, 251.448`, and if you desaturate by 10%, it is `68, 11.305, 247.766`.

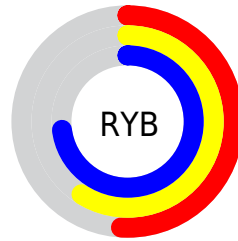
Distribution



Red (51%)

Green (64%)

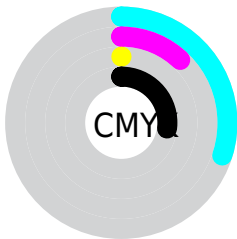
Blue (73%)



Red (51%)

Yellow (59%)

Blue (73%)

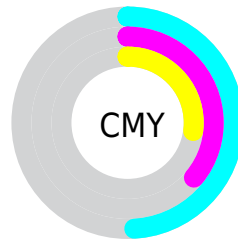


Cyan (30%)

Magenta (12%)

Yellow (0%)

Black (27%)



Cyan (49%)


Magenta (36%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 16.618, 249.429 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, 16.618, 249.429 by changing the saturation by 10% instead.


 65, 16.618,
249.429


 65, 16.618,
249.429


 100, 16.618,
249.429


 55, 16.618,
249.429


 85, 16.618,
249.429

 45, 16.618,
249.429


 95, 16.618,
249.429

 35, 16.618,
249.429

 25, 16.618,
249.429

 15, 16.618,
249.429

 5, 16.618, 249.429

 0, 16.618, 249.429

■ 65, 16.618,
249.429

■ 65, 16.618,
249.429

■ 62, 21.701,
251.448

■ 68, 11.305,
247.766

■ 59, 26.524,
253.903

■ 72, 5.803, 246.422

■ 75, 0.153, 247.900

■ 56, 31.070,
256.863

■ 79, 5.608, 64.183

■ 53, 35.353,
260.383

■ 82, 11.448, 63.421

■ 50, 39.428,
264.482

■ 86, 17.338, 62.757

■ 89, 22.196, 64.662

■ 47, 43.399,
269.099

■ 91, 23.304, 76.140

■ 45, 47.332,
273.806

■ 92, 25.256, 86.146

Harmonies

Complementary

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



65, 16.618, 249.429



65, 18.928, 62.064

Rectangle

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



65, 16.618, 249.429



65, 16.618, 299.429



65, 16.618, 69.429



65, 16.618, 119.429

Sweetspot

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



65, 16.617, 249.425



91, 6.291, 246.293



71, 27.772, 156.029



48, 4.361, 246.462



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



65, 16.617, 249.425



80, 24.115, 250.659



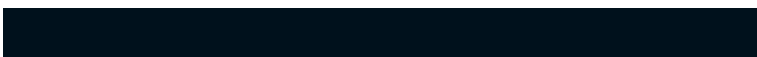
57, 28.738, 289.749



37, 3.188, 246.314



38, 41.172, 273.077



4, 9.409, 259.004

Inverse Universe

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



60, 28.168, 341.633



73, 41.299, 342.260



72, 27.153, 102.619



36, 5.177, 339.801



34, 60.272, 353.357



3, 12.914, 345.632

Previews

White Background



This preview shows how the CIELCh color 65, 16.618, 249.429 looks on a white background.

Color Contrast Check

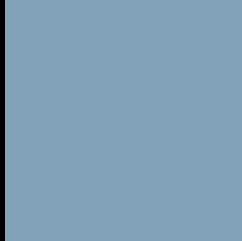
Large Text (above 18pt) WCAG AA × Fail

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, 16.618, 249.429 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

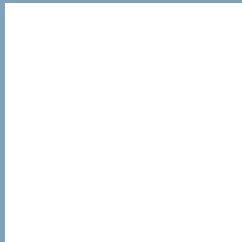
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 16.618, 249.429

Background



This preview shows how black text looks on a background with the CIELCh color 65, 16.618, 249.429.



This preview shows how white text looks on a background with the CIELCh color 65, 16.618, 249.429.

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, 16.618, 249.429

Protanopia

65, 13.932, 287.249

Deuteranopia

65, 18.465, 296.479



Tritanopia
65, 14.402, 228.773

Trichromacy



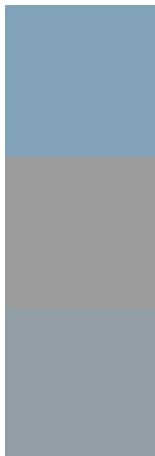
Original Color
65, 16.618, 249.429

Protanomaly
65, 14.086, 271.230

Deuteranomaly
65, 16.409, 279.643

Tritanomaly
65, 14.957, 238.038

Monochromacy



Original Color
65, 16.618, 249.429

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 6.193, 245.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 16.618, 249.429 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(129, 162, 185)` looks like.

```
.text, #text, p{  
    color:rgb(129, 162, 185)  
}
```

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(129, 162, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 162, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 16.618, 249.429 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(129, 162, 185) }
```

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

```
.border{ border-color:rgb(129, 162, 185) }
```

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

Here you see how a box with a 4 pixel rgb(129, 162, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 162, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 162, 185);  
box-shadow:4px 4px 4px 4px rgb(129, 162,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 16.618, 249.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 162, 185) }
```

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

```
.background{ background-color: rgb(129,  
162, 185) }
```

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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