

Converting Colors

CIELCh(66, 21.457, 234.867)

Have a look what the booklet for
CIELCh(66, 21.457, 234.867)
contains.

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Color

CIELCh(66, 21.450, 234.990)

Conversions

Conversions Part 1

Format	Color
Hex	70A8BF
RGB	112, 168, 191
RGB Percent	44%, 66%, 75%
CMY	0.5599, 0.3402, 0.2500
CMYK	0.41, 0.12, 0.00, 0.25
HSL	197°, 38%, 60%
HSV	197°, 41%, 75%
XYZ	30.1880, 35.3238, 54.6557
YIQ	153.8780, -40.7590, -4.7190

Conversions

Conversions Part 2

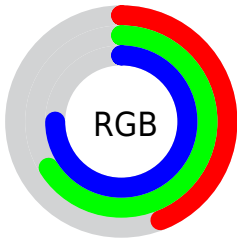
Format	Color
R _Y B	112, 145, 191
Decimal	7383231
CIE Lab	66.00, -12.31, -17.57
CIE LCh	66, 21.450, 234.990
Yxy	35.3238, 0.2512, 0.2940
Android (android.graphics.Color)	4285573311 (0xFF70A8BF)
YUV	153.8780, 18.3011, -36.7270
Hunter-Lab	59.4338, -13.3445, -12.9197

Details

The CIELCh color **66, 21.450, 234.990** is a light color, and the websafe version is hex **669999**. A complement of this color would be **61, 27.951, 48.417**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 21.323, 234.914**, and **46, 21.569, 235.578** is the 20% darker color. If you saturate the color by 10%, you get **63, 25.617, 236.924**, and if you desaturate by 10%, it is **69, 16.813, 233.461**.

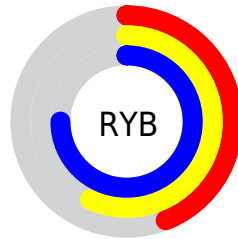
Distribution



Red (44%)

Green (66%)

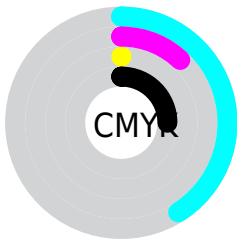
Blue (75%)



Red (44%)

Yellow (57%)

Blue (75%)

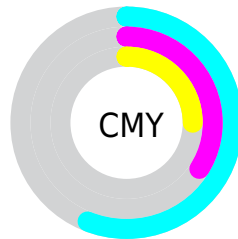


Cyan (41%)

Magenta (12%)

Yellow (0%)

Black (25%)



Cyan (56%)


Magenta (34%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 21.450, 234.990 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, 21.450, 234.990 by changing the saturation by 10% instead.


 66, 21.450,
234.990


 66, 21.450,
234.990


 100, 21.450,
234.990


 56, 21.450,
234.990


 86, 21.450,
234.990

 46, 21.450,
234.990

 96, 21.450,
234.990

 36, 21.450,
234.990

 26, 21.450,
234.990

 16, 21.450,
234.990

 6, 21.450, 234.990

 0, 21.450, 234.990

66, 21.450,
234.990

66, 21.450,
234.990

63, 25.617,
236.924

69, 16.813,
233.461

61, 29.267,
239.358

71, 11.773,
232.269

59, 32.379,
242.380

74, 6.400, 231.360

57, 34.985,
246.062

77, 0.760, 231.194

80, 5.088, 49.873

55, 37.183,
250.427

83, 11.091, 49.477

53, 38.946,
254.584

86, 17.208, 49.144

88, 19.910, 54.282

90, 20.057, 64.164

Harmonies

Complementary

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



66, 21.450, 234.990



61, 27.951, 48.417

Rectangle

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



66, 21.450, 234.990



66, 21.450, 284.990



66, 21.450, 54.990



66, 21.450, 104.990

Sweetspot

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



66, 21.449, 234.988



93, 8.351, 231.429



71, 42.318, 150.039



50, 5.568, 231.536



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



66, 21.449, 234.988



81, 30.831, 236.811



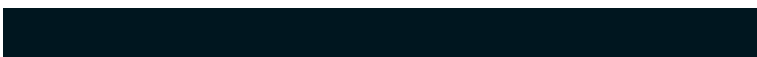
55, 35.705, 285.830



38, 3.185, 231.216



44, 33.621, 253.796



6, 9.629, 243.975

Inverse Universe

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



58, 42.485, 336.984



69, 62.398, 337.821



71, 34.072, 94.453



37, 5.764, 334.526



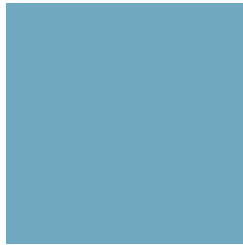
35, 65.091, 343.991



3, 16.204, 339.292

Previews

White Background



This preview shows how the CIE LCh color 66, 21.450, 234.990 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, 21.450, 234.990 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, 21.450, 234.990

Background



This preview shows how black text looks on a background with the CIELCh color 66, 21.450, 234.990.



This preview shows how white text looks on a background with the CIELCh color 66, 21.450, 234.990.

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, 21.450, 234.990

Protanopia

66, 15.005, 287.688

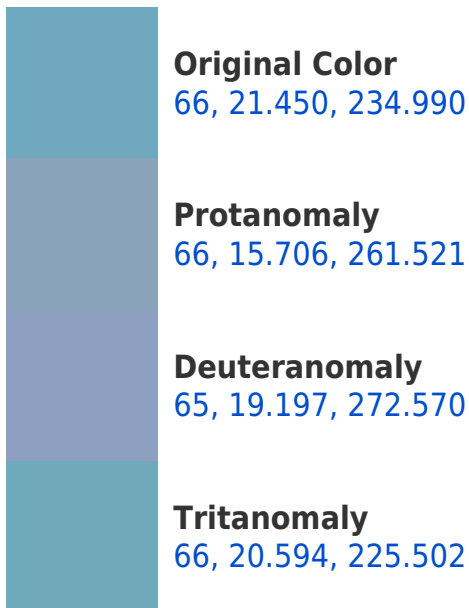
Deuteranopia

66, 21.142, 294.235

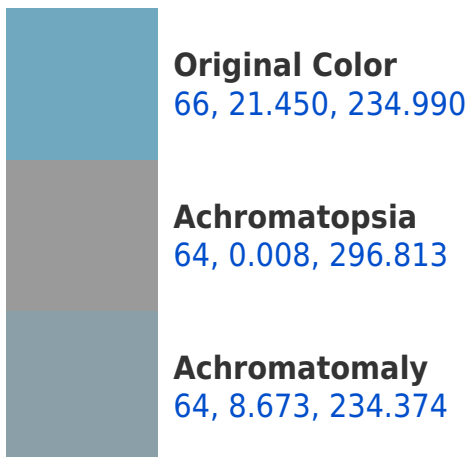


Tritanopia
66, 20.510, 218.663

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 21.450, 234.990 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(112, 168, 191)` looks like.

```
.text, #text, p{  
    color:rgb(112, 168, 191)  
}
```

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(112, 168, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 168, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 21.450, 234.990 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(112, 168, 191) }
```

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

```
.border{ border-color:rgb(112, 168, 191) }
```

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

Here you see how a box with a 4 pixel rgb(112, 168, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 168, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 168, 191);  
box-shadow:4px 4px 4px 4px rgb(112, 168,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 21.450, 234.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 168, 191) }
```

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

```
.background{ background-color: rgb(112,  
168, 191) }
```

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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