

# Converting Colors

CIELCh(73, 22.562, 247.189)

Have a look what the booklet for  
CIELCh(73, 22.562, 247.189)  
contains.

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# **Color**

**CIELCh(73, 22.562, 247.189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88BAD9
RGB	136, 186, 217
RGB Percent	53%, 73%, 85%
CMY	0.4680, 0.2720, 0.1504
CMYK	0.37, 0.14, 0.00, 0.15
HSL	203°, 51%, 69%
HSV	203°, 37%, 85%
XYZ	40.0574, 45.1644, 72.0039
YIQ	174.5840, -39.7510, -0.9590

# Conversions

## Conversions Part 2

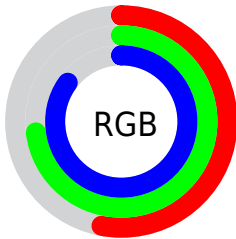
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 167, 217
Decimal	8960729
CIE <sub>Lab</sub>	73.00, -8.75, -20.80
CIE <sub>LCh</sub>	73, 22.562, 247.189
Yxy	45.1644, 0.2548, 0.2873
Android (android.graphics.Color)	4287150809 (0xFF88BAD9)
YUV	174.5840, 20.9111, -33.8382
Hunter-Lab	67.2044, -11.2123, -16.4811

# Details

The CIELCh color **73, 22.562, 247.189** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72, 27.178, 58.301**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 17.374, 221.353**, and **53, 22.539, 246.889** is the 20% darker color. If you saturate the color by 10%, you get **70, 27.893, 249.464**, and if you desaturate by 10%, it is **77, 16.887, 245.333**.

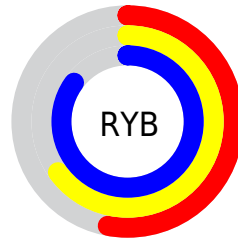
# Distribution



Red (53%)

Green (73%)

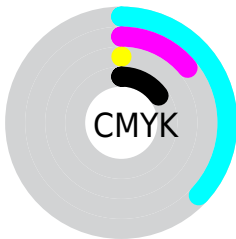
Blue (85%)



Red (53%)

Yellow (65%)

Blue (85%)

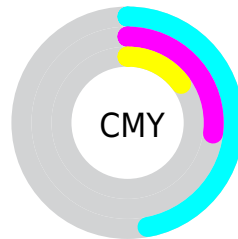


Cyan (37%)

Magenta (14%)

Yellow (0%)

Black (15%)



Cyan (47%)

Magenta (27%)


Yellow (15%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 22.562, 247.189 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 73, 22.562, 247.189 by changing the saturation by 10% instead.




 73, 22.562,  
247.189

 73, 22.562,  
247.189


 100, 22.562,  
247.189


 63, 22.562,  
247.189


 93, 22.562,  
247.189

 53, 22.562,  
247.189

 43, 22.562,  
247.189

 33, 22.562,  
247.189

 23, 22.562,  
247.189

 13, 22.562,  
247.189

 3, 22.562, 247.189

0, 22.562, 247.189

73, 22.562,  
247.189

73, 22.562,  
247.189

70, 27.893,  
249.464

77, 16.887,  
245.333

66, 32.848,  
252.245

80, 10.919,  
243.832

63, 37.424,  
255.602

84, 4.712, 242.651

88, 1.682, 61.244

60, 41.669,  
259.578

91, 8.216, 60.633

57, 45.687,  
264.151

94, 12.053, 72.307

55, 49.647,  
269.171

96, 14.399, 92.167

■ 54, 50.718,  
270.458

■ 98, 17.929,  
105.220

■ 99, 19.393,  
108.710

# Harmonies

# Complementary

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



73, 22.562, 247.189



72, 27.178, 58.301

# Rectangle

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



73, 22.562, 247.189



73, 22.562, 297.189



73, 22.562, 67.189



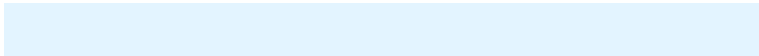
73, 22.562, 117.189

# Sweetspot

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



73, 22.561, 247.187



95, 7.967, 243.049



80, 39.830, 153.762



50, 5.342, 243.209



0, 0.000, 0.000



53, 0.007, 296.813



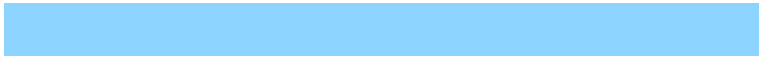


# Same Dimension

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



73, 22.561, 247.187



82, 30.392, 248.979



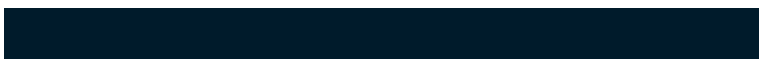
62, 39.364, 289.504



43, 3.578, 242.861



43, 41.970, 269.554



9, 14.481, 258.157



# Inverse Universe

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



66, 40.196, 340.952



73, 54.784, 341.790



82, 36.840, 100.002



42, 5.997, 338.492



37, 65.327, 351.232



5, 25.052, 346.183



# Previews

## White Background



This preview shows how the CIELCh color 73, 22.562, 247.189 looks on a white background.

## Color Contrast Check

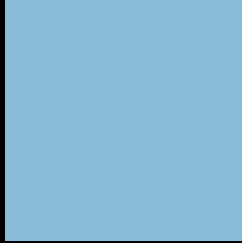
Large Text (above 18pt) WCAG AA × Fail

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 73, 22.562, 247.189 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 73, 22.562, 247.189**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 73, 22.562, 247.189.



This preview shows how white text looks on a background with the CIELCh color 73, 22.562, 247.189.

# 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**  
73, 22.562, 247.189

**Protanopia**  
73, 18.523, 286.651

**Deuteranopia**  
73, 23.947, 293.255





**Tritanopia**  
73, 19.673, 222.797

# Trichromacy



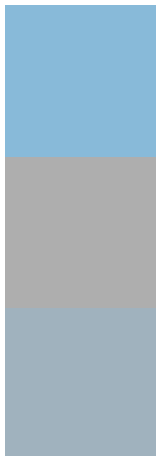
**Original Color**  
73, 22.562, 247.189

**Protanomaly**  
73, 19.028, 270.287

**Deuteranomaly**  
73, 21.817, 276.388

**Tritanomaly**  
73, 20.383, 232.581

# Monochromacy



**Original Color**  
73, 22.562, 247.189

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
72, 9.009, 245.798

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 22.562, 247.189 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(136, 186, 217)` looks like.

```
.text, #text, p{  
    color:rgb(136, 186, 217)  
}
```

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(136, 186, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 186, 217) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 22.562, 247.189 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(136, 186, 217) }
```

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

```
.border{ border-color:rgb(136, 186, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 186, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 186, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 186, 217); box-shadow:4px 4px 4px 4px rgb(136, 186, 217) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 22.562, 247.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 186, 217) }
```

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

```
.background{ background-color: rgb(136,  
186, 217) }
```

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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