

Converting Colors

CIELCh(72, 25.745, 232.529)

Have a look what the booklet for
CIELCh(72, 25.745, 232.529)
contains.

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Color

CIELCh(72, 25.712, 233.239)

Conversions

Conversions Part 1

Format	Color
Hex	72BAD5
RGB	114, 186, 213
RGB Percent	45%, 73%, 84%
CMY	0.5517, 0.2694, 0.1635
CMYK	0.46, 0.13, 0.00, 0.16
HSL	196°, 54%, 64%
HSV	196°, 46%, 84%
XYZ	36.6483, 43.6590, 69.6466
YIQ	167.5500, -51.5790, -6.8670

Conversions

Conversions Part 2

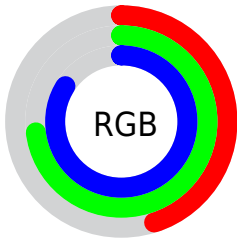
Format	Color
RYB	114, 156, 213
Decimal	7518933
CIELab	72.00, -15.39, -20.60
CIElCh	72, 25.712, 233.239
Yxy	43.6590, 0.2444, 0.2911
Android (android.graphics.Color)	4285709013 (0xFF72BAD5)
YUV	167.5500, 22.4069, -46.9633
Hunter-Lab	66.0750, -16.6266, -16.2424

Details

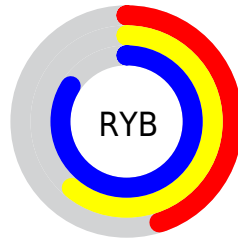
The CIELCh color **72, 25.712, 233.239** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **65, 35.300, 46.478**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 23.081, 215.173**, and **52, 25.679, 232.459** is the 20% darker color. If you saturate the color by 10%, you get **69, 29.869, 235.307**, and if you desaturate by 10%, it is **75, 20.973, 231.615**.

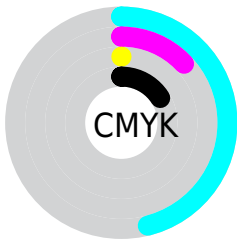
Distribution



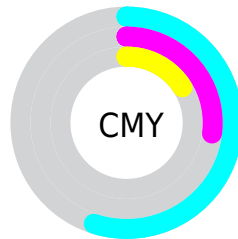
- Red (45%)
- Green (73%)
- Blue (84%)



- Red (45%)
- Yellow (61%)
- Blue (84%)



- Cyan (46%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)





- Cyan (55%)
- Magenta (27%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 25.712, 233.239 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 72, 25.712, 233.239 by changing the saturation by 10% instead.


 72, 25.712,
233.239


 72, 25.712,
233.239


 100, 25.712,
233.239


 62, 25.712,
233.239


 92, 25.712,
233.239


 52, 25.712,
233.239

 42, 25.712,
233.239

 32, 25.712,
233.239

 22, 25.712,
233.239

 12, 25.712,
233.239

 2, 25.712, 233.239

0, 25.712, 233.239

72, 25.712,
233.239

72, 25.712,
233.239

69, 29.869,
235.307

75, 20.973,
231.615

67, 33.399,
237.916

77, 15.723,
230.356

65, 36.303,
241.153

80, 10.044,
229.394

63, 38.648,
245.082

83, 4.017, 228.719

61, 40.583,
249.684

86, 2.286, 47.767

60, 41.266,
251.387

90, 8.799, 47.504

92, 12.619, 53.885

■ 94, 13.007, 69.976

■ 95, 14.330, 84.034

Harmonies

Complementary

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



72, 25.712, 233.239



65, 35.300, 46.478

Rectangle

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



72, 25.712, 233.239



72, 25.712, 283.239



72, 25.712, 53.239



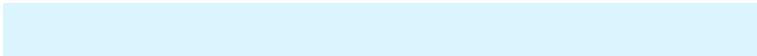
72, 25.712, 103.239

Sweetspot

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



72, 25.711, 233.237



95, 9.961, 229.213



78, 52.312, 148.783



50, 6.840, 229.386



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 25.711, 233.237



82, 34.247, 235.344



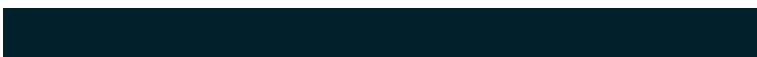
58, 43.267, 286.054



44, 3.544, 228.884



49, 34.781, 250.562



10, 12.941, 240.279

Inverse Universe

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



62, 52.395, 336.634



68, 71.341, 337.542



77, 41.196, 92.627



42, 6.485, 333.803



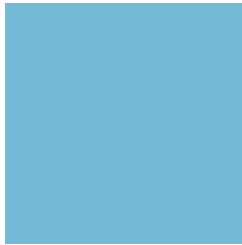
38, 69.681, 342.816



6, 26.979, 339.575

Previews

White Background



This preview shows how the CIELCh color 72, 25.712, 233.239 looks on a white background.

Color Contrast Check

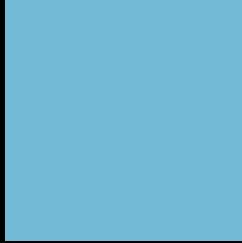
Large Text (above 18pt) WCAG AA × Fail

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 72, 25.712, 233.239 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 72, 25.712, 233.239

Background



This preview shows how black text looks on a background with the CIELCh color 72, 25.712, 233.239.



This preview shows how white text looks on a background with the CIELCh color 72, 25.712, 233.239.

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

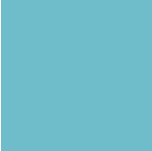
72, 25.712, 233.239

Protanopia

72, 16.933, 287.136

Deuteranopia

72, 24.015, 292.487



Tritanopia
72, 24.868, 217.074

Trichromacy



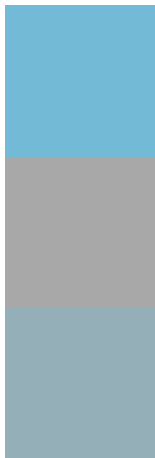
Original Color
72, 25.712, 233.239

Protanomaly
71, 18.516, 261.590

Deuteranomaly
72, 22.091, 269.575

Tritanomaly
72, 25.006, 223.909

Monochromacy



Original Color
72, 25.712, 233.239

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 10.582, 226.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 25.712, 233.239 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(114, 186, 213)` looks like.

```
.text, #text, p{  
    color:rgb(114, 186, 213)  
}
```

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(114, 186, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 186, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 25.712, 233.239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

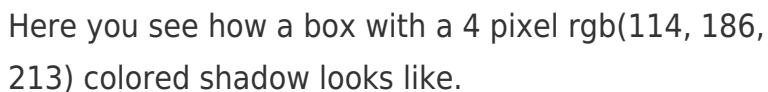
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 186, 213) }
```

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

```
.border{ border-color:rgb(114, 186, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 186, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 186, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 186, 213); box-shadow:4px 4px 4px 4px rgb(114, 186, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 25.712, 233.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 186, 213) }
```

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

```
.background{ background-color: rgb(114,  
186, 213) }
```

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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