

Converting Colors

CIELCh(72, 33.688, 226.890)

Have a look what the booklet for
CIELCh(72, 33.688, 226.890)
contains.

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Color

CIELCh(72, 33.554, 226.917)

Conversions

Conversions Part 1

Format	Color
Hex	4CBEDC
RGB	76, 190, 220
RGB Percent	30%, 75%, 86%
CMY	0.7008, 0.2540, 0.1363
CMYK	0.65, 0.14, 0.00, 0.14
HSL	193°, 67%, 58%
HSV	193°, 65%, 86%
XYZ	34.4198, 43.6590, 74.4930
YIQ	159.3340, -77.5740, -14.8380

Conversions

Conversions Part 2

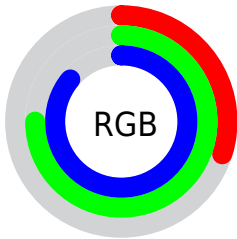
Format	Color
RYB	76, 140, 220
Decimal	5029596
CIELab	72.00, -22.92, -24.51
CIELCh	72, 33.554, 226.917
Yxy	43.6590, 0.2256, 0.2862
Android (android.graphics.Color)	4283219676 (0xFF4CBEDC)
YUV	159.3340, 29.9083, -73.0839
Hunter-Lab	66.0750, -22.6468, -20.5911

Details

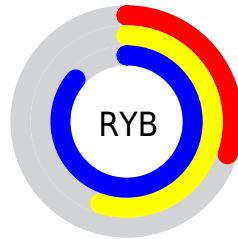
The CIELCh color **72, 33.554, 226.917** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **58, 56.576, 41.579**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 31.874, 205.977**, and **52, 31.458, 229.943** is the 20% darker color. If you saturate the color by 10%, you get **70, 36.130, 229.344**, and if you desaturate by 10%, it is **74, 30.184, 225.018**.

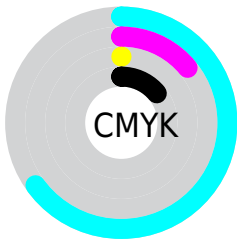
Distribution



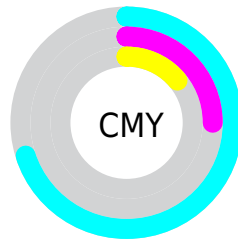
- Red (30%)
- Green (75%)
- Blue (86%)



- Red (30%)
- Yellow (55%)
- Blue (86%)



- Cyan (65%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)





- Cyan (70%)
- Magenta (25%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 33.554, 226.917 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, 33.554, 226.917 by changing the saturation by 10% instead.


 72, 33.554,
226.917


 72, 33.554,
226.917


 100, 33.554,
226.917


 62, 33.554,
226.917


 92, 33.554,
226.917

 52, 33.554,
226.917

 42, 33.554,
226.917

 32, 33.554,
226.917

 22, 33.554,
226.917

 12, 33.554,
226.917

 2, 33.554, 226.917

■ 0, 33.554, 226.917

■ 72, 33.554,
226.917

■ 72, 33.554,
226.917

■ 70, 36.130,
229.344

■ 74, 30.184,
225.018

■ 68, 37.949,
232.381

■ 76, 26.050,
223.560

■ 67, 39.128,
236.073

■ 79, 21.223,
222.463

■ 66, 39.575,
237.926

■ 81, 15.794,
221.657

■ 84, 9.864, 221.090

■ 86, 3.530, 220.785

■ 89, 3.122, 40.161

■ 92, 10.014, 40.124

■ 93, 10.415, 53.647

Harmonies

Complementary

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



72, 33.554, 226.917



58, 56.576, 41.579

Rectangle

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



72, 33.554, 226.917



72, 33.554, 276.917



72, 33.554, 46.917



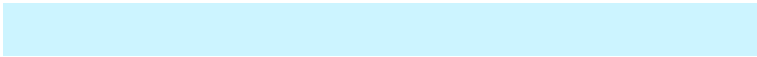
72, 33.554, 96.917

Sweetspot

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



72, 33.553, 226.916



94, 14.268, 221.335



78, 76.608, 143.904



49, 9.648, 221.503



0, 0.000, 0.000



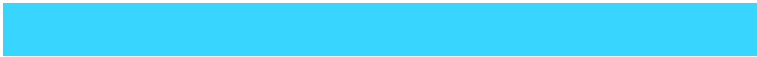
53, 0.007, 296.813

Same Dimension

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



72, 33.553, 226.916



80, 41.115, 230.271



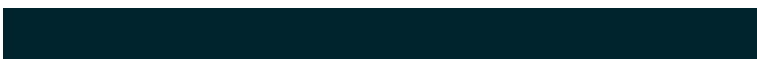
52, 58.619, 287.080



45, 3.692, 220.863



53, 33.038, 237.198



12, 13.102, 229.397

Inverse Universe

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



56, 74.580, 335.406



61, 92.982, 336.555



74, 56.128, 84.952



43, 6.922, 331.388



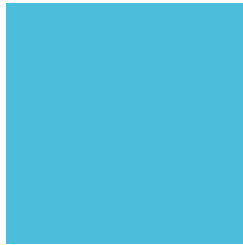
39, 73.704, 338.616



6, 29.841, 336.455

Previews

White Background



This preview shows how the CIELCh color 72, 33.554, 226.917 looks on a white background.

Color Contrast Check

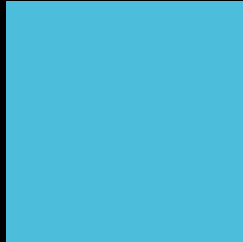
Large Text (above 18pt) WCAG AA × Fail

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, 33.554, 226.917 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, 33.554, 226.917

Background



This preview shows how black text looks on a background with the CIELCh color 72, 33.554, 226.917.

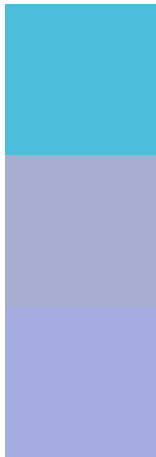


This preview shows how white text looks on a background with the CIELCh color 72, 33.554, 226.917.

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](#).

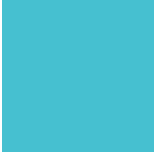
Dichromacy



Original Color
72, 33.554, 226.917

Protanopia
72, 19.147, 285.892

Deuteranopia
72, 28.391, 288.948



Tritanopia
72, 33.637, 212.273

Trichromacy



Original Color
72, 33.554, 226.917



Protanomaly
71, 22.492, 252.329



Deuteranomaly
71, 27.273, 261.178



Tritanomaly
72, 33.346, 217.504

Monochromacy



Original Color
72, 33.554, 226.917



Achromatopsia
66, 0.008, 296.813



Achromatomaly
67, 15.072, 222.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 33.554, 226.917 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(76, 190, 220)` looks like.

```
.text, #text, p{  
    color:rgb(76, 190, 220)  
}
```

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(76, 190, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 190, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 33.554, 226.917 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(76, 190, 220) }
```

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

```
.border{ border-color:rgb(76, 190, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 190, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 190, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 190, 220);  
box-shadow:4px 4px 4px 4px rgb(76, 190,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 33.554, 226.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 190, 220) }
```

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

```
.background{ background-color: rgb(76, 190,  
220) }
```

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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