

Converting Colors

CIELCh(72, 36.414, 216.200)

Have a look what the booklet for
CIELCh(72, 36.414, 216.200)
contains.

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Color

CIELCh(72, 36.441, 216.428)

Conversions

Conversions Part 1

Format	Color
Hex	32C1D7
RGB	50, 193, 215
RGB Percent	20%, 76%, 84%
CMY	0.8047, 0.2436, 0.1573
CMYK	0.77, 0.10, 0.00, 0.16
HSL	188°, 67%, 52%
HSV	188°, 77%, 84%
XYZ	32.5983, 43.6590, 70.9155
YIQ	152.7510, -92.2900, -23.4740

Conversions

Conversions Part 2

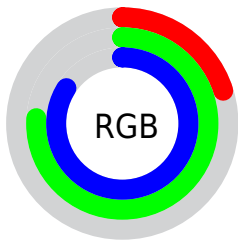
Format	Color
R _{YB}	50, 127, 215
Decimal	3326423
CIE _{Lab}	72.00, -29.32, -21.64
CIE _{LCh}	72, 36.441, 216.428
Yxy	43.6590, 0.2215, 0.2967
Android (android.graphics.Color)	4281516503 (0xFF32C1D7)
YUV	152.7510, 30.6888, -90.1126
Hunter-Lab	66.0750, -27.5678, -17.3810

Details

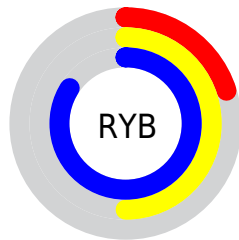
The CIELCh color **72, 36.441, 216.428** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **51, 70.020, 38.381**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 36.587, 201.276**, and **53, 30.947, 220.351** is the 20% darker color. If you saturate the color by 10%, you get **71, 37.777, 218.278**, and if you desaturate by 10%, it is **73, 34.232, 214.990**.

Distribution



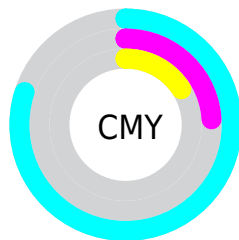
- Red (20%)
- Green (76%)
- Blue (84%)



- Red (20%)
- Yellow (50%)
- Blue (84%)



- Cyan (77%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)





- Cyan (80%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.441, 216.428 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, 36.441, 216.428 by changing the saturation by 10% instead.


 72, 36.441,
216.428


 72, 36.441,
216.428


 100, 36.441,
216.428


 62, 36.441,
216.428


 92, 36.441,
216.428

 52, 36.441,
216.428

 42, 36.441,
216.428

 32, 36.441,
216.428

 22, 36.441,
216.428

 12, 36.441,
216.428

 2, 36.441, 216.428

■ 0, 36.441, 216.428

■ 72, 36.441,
216.428

■ 72, 36.441,
216.428

■ 71, 37.777,
218.278

■ 73, 34.232,
214.990

■ 70, 38.351,
220.577

■ 75, 31.131,
213.911

■ 70, 38.463,
221.358

■ 76, 27.173,
213.132

■ 78, 22.436,
212.601

■ 80, 17.022,
212.275

■ 82, 11.042,
212.119

■ 84, 4.603, 212.146

■ 87, 2.194, 31.804

■ 89, 9.262, 32.135

Harmonies

Complementary

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



72, 36.441, 216.428



51, 70.020, 38.381

Rectangle

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



72, 36.441, 216.428



72, 36.441, 266.428



72, 36.441, 36.428



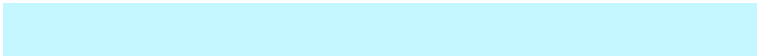
72, 36.441, 86.428

Sweetspot

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



72, 36.440, 216.427



94, 16.991, 212.201



76, 89.768, 139.873



49, 11.607, 212.276



0, 0.000, 0.000



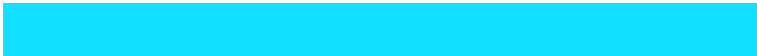
53, 0.007, 296.813

Same Dimension

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



72, 36.440, 216.427



82, 43.472, 219.623



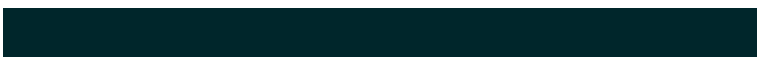
49, 60.119, 285.035



44, 3.795, 212.113



56, 32.446, 220.914



13, 12.889, 215.880

Inverse Universe

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



52, 84.984, 332.960



59, 103.187, 333.962



67, 61.490, 75.951



42, 7.159, 328.834



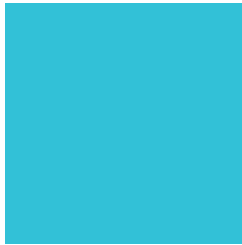
39, 77.169, 334.320



6, 29.886, 332.911

Previews

White Background



This preview shows how the CIELCh color 72, 36.441, 216.428 looks on a white background.

Color Contrast Check

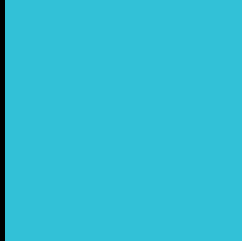
Large Text (above 18pt) WCAG AA × Fail

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, 36.441, 216.428 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, 36.441, 216.428

Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.441, 216.428.

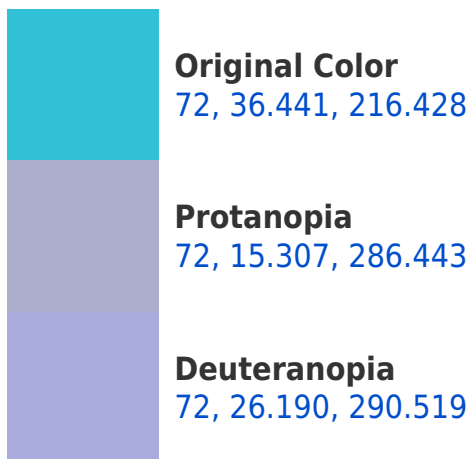


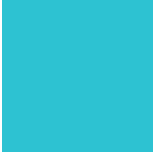
This preview shows how white text looks on a background with the CIELCh color 72, 36.441, 216.428.

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





Tritanopia
72, 37.006, 210.630

Trichromacy



Original Color
72, 36.441, 216.428



Protanomaly
71, 21.979, 238.933



Deuteranomaly
71, 25.914, 252.301



Tritanomaly
72, 36.808, 212.525

Monochromacy



Original Color
72, 36.441, 216.428



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 18.188, 212.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 36.441, 216.428 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(50, 193, 215)` looks like.

```
.text, #text, p{  
    color:rgb(50, 193, 215)  
}
```

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(50, 193, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 193, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 36.441, 216.428 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(50, 193, 215) }
```

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

```
.border{ border-color:rgb(50, 193, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 193, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 193, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 193, 215);  
box-shadow:4px 4px 4px 4px rgb(50, 193,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 36.441, 216.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 193, 215) }
```

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

```
.background{ background-color: rgb(50, 193,  
215) }
```

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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