

Converting Colors

CIELCh(69, 32.586, 224.754)

Have a look what the booklet for
CIELCh(69, 32.586, 224.754)
contains.

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Color

CIELCh(69, 32.586, 224.754)

Conversions

Conversions Part 1

Format	Color
Hex	46B6D1
RGB	70, 182, 209
RGB Percent	27%, 71%, 82%
CMY	0.7256, 0.2864, 0.1805
CMYK	0.67, 0.13, 0.00, 0.18
HSL	192°, 60%, 55%
HSV	192°, 67%, 82%
XYZ	30.7480, 39.3444, 66.2729
YIQ	151.5900, -75.4190, -15.3470

Conversions

Conversions Part 2

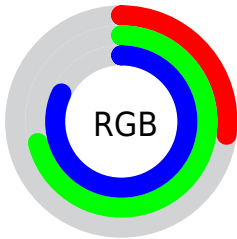
Format	Color
RYB	70, 132, 209
Decimal	4634321
CIELab	69.00, -23.14, -22.94
CIELCh	69, 32.586, 224.754
Yxy	39.3444, 0.2255, 0.2885
Android (android.graphics.Color)	4282824401 (0xFF46B6D1)
YUV	151.5900, 28.3031, -71.5544
Hunter-Lab	62.7251, -22.2677, -18.7359

Details

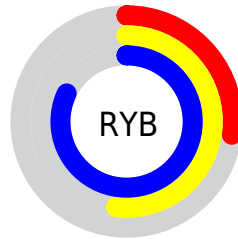
The CIELCh color **69, 32.586, 224.754** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **55, 55.789, 40.636**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 31.521, 214.060**, and **50, 30.020, 228.025** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.918, 227.033**, and if you desaturate by 10%, it is **71, 29.469, 222.977**.

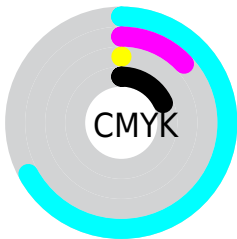
Distribution



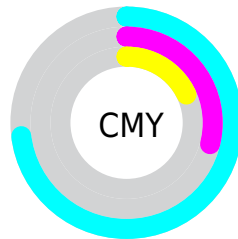
- Red (27%)
- Green (71%)
- Blue (82%)



- Red (27%)
- Yellow (52%)
- Blue (82%)



- Cyan (67%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)





- Cyan (73%)
- Magenta (29%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 32.586, 224.754 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 69, 32.586, 224.754 by changing the saturation by 10% instead.


 69, 32.586,
224.754


 69, 32.586,
224.754


 100, 32.586,
224.754


 59, 32.586,
224.754


 89, 32.586,
224.754

 49, 32.586,
224.754

 99, 32.586,
224.754

 39, 32.586,
224.754

 29, 32.586,
224.754

 19, 32.586,
224.754

 9, 32.586, 224.754

 0, 32.586, 224.754

69, 32.586,
224.754

69, 32.586,
224.754

67, 34.918,
227.033

71, 29.469,
222.977

66, 36.502,
229.893

73, 25.596,
221.621

64, 37.458,
233.374

75, 21.033,
220.609

64, 37.738,
234.655

77, 15.871,
219.876

80, 10.207,
219.371

82, 4.137, 219.099

85, 2.253, 38.493

87, 8.887, 38.562

Harmonies

Complementary

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



69, 32.586, 224.754



55, 55.789, 40.636

Rectangle

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



69, 32.586, 224.754



69, 32.586, 274.754



69, 32.586, 44.754



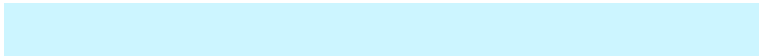
69, 32.586, 94.754

Sweetspot

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



69, 32.585, 224.753



94, 14.364, 219.534



75, 75.406, 143.249



49, 9.711, 219.678



0, 0.000, 0.000



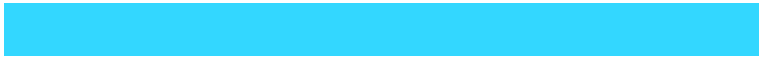
53, 0.007, 296.813

Same Dimension

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



69, 32.585, 224.753



80, 41.486, 228.216



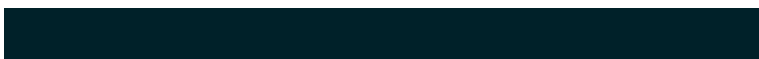
49, 55.849, 286.271



43, 3.576, 219.145



52, 32.084, 234.014



11, 12.201, 225.852

Inverse Universe

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



53, 73.109, 334.856



60, 94.930, 336.035



70, 54.180, 83.443



41, 6.723, 330.880



38, 72.880, 337.727



5, 26.777, 335.382

Previews

White Background



This preview shows how the CIELCh color 69, 32.586, 224.754 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 69, 32.586, 224.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

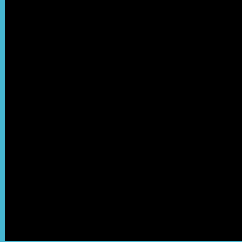
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 32.586, 224.754

Background



This preview shows how black text looks on a background with the CIELCh color 69, 32.586, 224.754.



This preview shows how white text looks on a background with the CIELCh color 69, 32.586, 224.754.

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

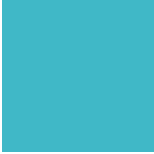
69, 32.586, 224.754

Protanopia

69, 17.649, 286.322

Deuteranopia

69, 26.971, 290.044



Tritanopia
69, 32.984, 211.675

Trichromacy



Original Color
69, 32.586, 224.754



Protanomaly
68, 21.261, 250.024



Deuteranomaly
68, 25.830, 260.335



Tritanomaly
69, 32.672, 217.048

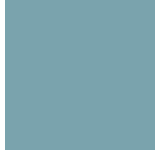
Monochromacy



Original Color
69, 32.586, 224.754



Achromatopsia
63, 0.008, 296.813



Achromatomaly
64, 14.977, 220.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 32.586, 224.754 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(70, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(70, 182, 209)  
}
```

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(70, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 182, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 32.586, 224.754 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(70, 182, 209) }
```

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

```
.border{ border-color:rgb(70, 182, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(70, 182,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 32.586, 224.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 182, 209) }
```

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

```
.background{ background-color: rgb(70, 182,  
209) }
```

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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