

Converting Colors

CIELCh(72, 33.317, 247.767)

Have a look what the booklet for
CIELCh(72, 33.317, 247.767)
contains.

CIELCh(72, 33.316, 247.464)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 33.316, 247.464)

Conversions

Conversions Part 1

Format	Color
Hex	65BAE8
RGB	101, 186, 232
RGB Percent	40%, 73%, 91%
CMY	0.6043, 0.2709, 0.0906
CMYK	0.56, 0.20, 0.00, 0.09
HSL	201°, 74%, 65%
HSV	201°, 56%, 91%
XYZ	37.4454, 43.6590, 82.7239
YIQ	165.8290, -65.4260, -3.7140

Conversions

Conversions Part 2

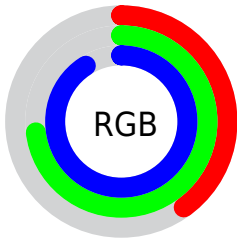
Format	Color
RYB	101, 153, 232
Decimal	6666984
CIELab	72.00, -12.77, -30.77
CIElCh	72, 33.316, 247.464
Yxy	43.6590, 0.2286, 0.2665
Android (android.graphics.Color)	4284857064 (0xFF65BAE8)
YUV	165.8290, 32.6223, -56.8550
Hunter-Lab	66.0750, -14.4735, -27.9768

Details

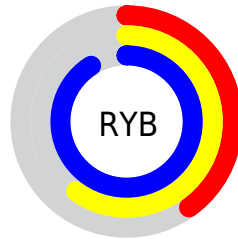
The CIELCh color **72, 33.316, 247.464** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **69, 46.566, 53.719**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 25.925, 213.092**, and **52, 33.255, 247.126** is the 20% darker color. If you saturate the color by 10%, you get **69, 37.800, 250.666**, and if you desaturate by 10%, it is **75, 28.346, 244.845**.

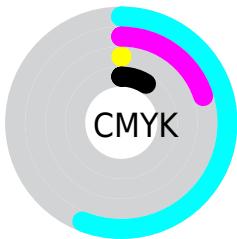
Distribution



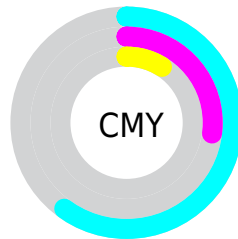
- Red (40%)
- Green (73%)
- Blue (91%)



- Red (40%)
- Yellow (60%)
- Blue (91%)



- Cyan (56%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (60%)
- Magenta (27%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 33.316, 247.464 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, 33.316, 247.464 by changing the saturation by 10% instead.


 72, 33.316,
247.464


 72, 33.316,
247.464


 100, 33.316,
247.464

 62, 33.316,
247.464

 92, 33.316,
247.464


 52, 33.316,
247.464

 42, 33.316,
247.464

 32, 33.316,
247.464

 22, 33.316,
247.464

 12, 33.316,
247.464

 2, 33.316, 247.464

0, 33.316, 247.464

72, 33.316,
247.464

72, 33.316,
247.464

69, 37.800,
250.666

75, 28.346,
244.845

66, 41.835,
254.515

79, 22.910,
242.726

63, 45.525,
259.014

82, 17.056,
241.023

61, 49.044,
264.061

86, 10.846,
239.663

60, 50.309,
265.841

90, 4.348, 238.625

93, 2.377, 57.379

96, 7.097, 71.653

■ 98, 9.809, 101.049

■ 99, 11.691,
109.294

Harmonies

Complementary

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



72, 33.316, 247.464



69, 46.566, 53.719

Rectangle

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



72, 33.316, 247.464



72, 33.316, 297.464



72, 33.316, 67.464



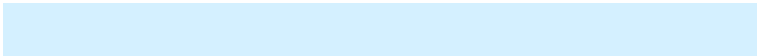
72, 33.316, 117.464

Sweetspot

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



72, 33.315, 247.464



93, 12.063, 239.736



83, 62.726, 150.555



49, 8.036, 239.989



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, 33.315, 247.464



75, 41.456, 251.333



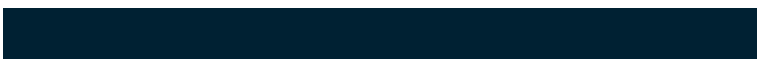
54, 63.873, 292.953



46, 3.753, 238.892



47, 40.897, 264.881



11, 15.632, 255.418

Inverse Universe

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



62, 63.366, 341.434



63, 78.622, 342.972



85, 56.962, 96.821



45, 6.491, 337.074



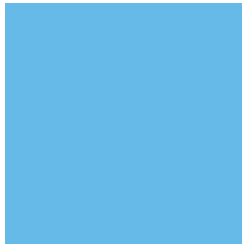
39, 68.550, 348.753



7, 29.627, 344.629

Previews

White Background



This preview shows how the CIE LCh color 72, 33.316, 247.464 looks on a white background.

Color Contrast Check

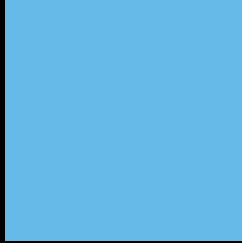
Large Text (above 18pt) WCAG AA × Fail

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, 33.316, 247.464 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

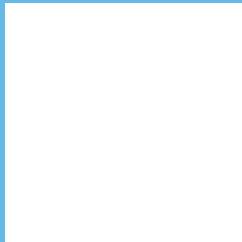
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 33.316, 247.464

Background



This preview shows how black text looks on a background with the CIELCh color 72, 33.316, 247.464.

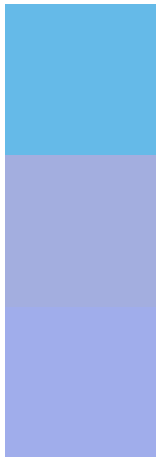


This preview shows how white text looks on a background with the CIELCh color 72, 33.316, 247.464.

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, 33.316, 247.464

Protanopia
72, 26.841, 285.064

Deuteranopia
72, 33.902, 286.492



Tritanopia
72, 29.652, 214.649

Trichromacy



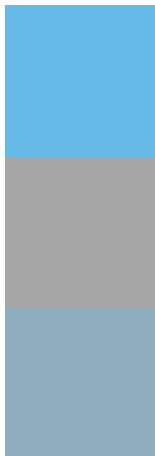
Original Color
72, 33.316, 247.464

Protanomaly
71, 28.200, 267.997

Deuteranomaly
72, 32.178, 271.590

Tritanomaly
72, 29.738, 226.358

Monochromacy



Original Color
72, 33.316, 247.464

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 13.898, 241.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 33.316, 247.464 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(101, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(101, 186, 232)  
}
```

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(101, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 186, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 33.316, 247.464 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(101, 186, 232) }
```

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

```
.border{ border-color:rgb(101, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 186, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 186, 232);  
box-shadow:4px 4px 4px 4px rgb(101, 186,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 33.316, 247.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 186, 232) }
```

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

```
.background{ background-color: rgb(101,  
186, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor