

Converting Colors

CIELCh(64, 43.600, 262.456)

Have a look what the booklet for
CIELCh(64, 43.600, 262.456)
contains.

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Color

CIELCh(64, 43.749, 262.612)

Conversions

Conversions Part 1

Format	Color
Hex	41A2E8
RGB	65, 162, 232
RGB Percent	25%, 64%, 91%
CMY	0.7449, 0.3646, 0.0901
CMYK	0.72, 0.30, 0.00, 0.09
HSL	205°, 78%, 58%
HSV	205°, 72%, 91%
XYZ	29.6759, 32.8017, 81.1306
YIQ	140.9770, -80.2820, 1.2060

Conversions

Conversions Part 2

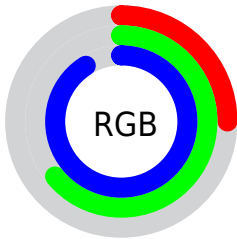
Format	Color
RYB	65, 126, 232
Decimal	4301544
CIELab	64.00, -5.63, -43.39
CIELCh	64, 43.749, 262.612
Yxy	32.8017, 0.2066, 0.2284
Android (android.graphics.Color)	4282491624 (0xFF41A2E8)
YUV	140.9770, 44.8743, -66.6318
Hunter-Lab	57.2727, -7.7375, -43.8972

Details

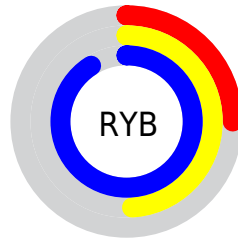
The CIELCh color **64, 43.749, 262.612** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **66, 60.979, 58.781**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 30.883, 239.118**, and **45, 41.872, 267.688** is the 20% darker color. If you saturate the color by 10%, you get **61, 48.750, 266.927**, and if you desaturate by 10%, it is **68, 38.547, 258.874**.

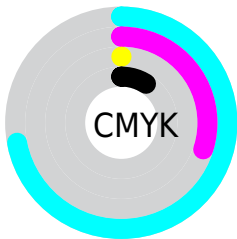
Distribution



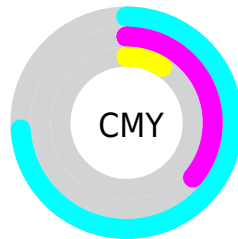
- Red (25%)
- Green (64%)
- Blue (91%)



- Red (25%)
- Yellow (49%)
- Blue (91%)



- Cyan (72%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)



- Cyan (74%)
- Magenta (36%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 43.749, 262.612 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 64, 43.749, 262.612 by changing the saturation by 10% instead.

 64, 43.749,
262.612

 64, 43.749,
262.612

 100, 43.749,
262.612


 54, 43.749,
262.612


 84, 43.749,
262.612

 44, 43.749,
262.612

 94, 43.749,
262.612

 34, 43.749,
262.612

 24, 43.749,
262.612

 14, 43.749,
262.612

 4, 43.749, 262.612

 0, 43.749, 262.612

■ 64, 43.749,
262.612

■ 64, 43.749,
262.612

■ 61, 48.750,
266.927

■ 68, 38.547,
258.874

■ 58, 53.692,
271.723

■ 71, 33.061,
255.714

■ 55, 57.758,
275.702

■ 75, 27.257,
253.086

■ 79, 21.147,
250.919

■ 83, 14.763,
249.141

■ 87, 8.151, 247.693

■ 91, 1.360, 246.767

■ 95, 5.566, 65.311

Harmonies

Complementary

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



64, 43.749, 262.612



66, 60.979, 58.781

Rectangle

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



64, 43.749, 262.612



64, 43.749, 312.612



64, 43.749, 82.612



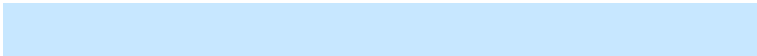
64, 43.749, 132.612

Sweetspot

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



64, 43.748, 262.613



90, 15.958, 249.165



82, 72.607, 150.797



47, 10.679, 249.616



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 43.748, 262.613



65, 54.732, 269.025



42, 90.555, 299.697



46, 3.846, 247.379



43, 46.778, 274.784



10, 17.276, 265.449

Inverse Universe

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



56, 72.811, 347.732



57, 84.928, 350.992



86, 73.411, 99.235



45, 6.186, 340.234



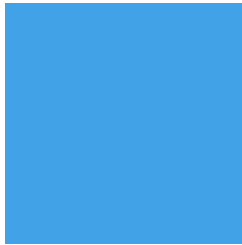
39, 66.361, 354.481



7, 28.578, 349.088

Previews

White Background



This preview shows how the CIE LCh color 64, 43.749, 262.612 looks on a white background.

Color Contrast Check

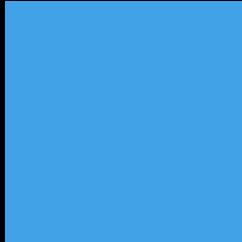
Large Text (above 18pt) WCAG AA × Fail

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 64, 43.749, 262.612 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

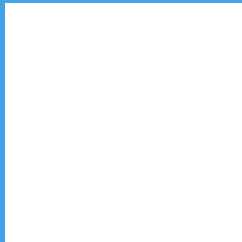
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 43.749, 262.612

Background



This preview shows how black text looks on a background with the CIELCh color 64, 43.749, 262.612.



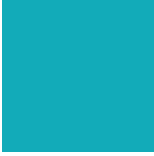
This preview shows how white text looks on a background with the CIELCh color 64, 43.749, 262.612.

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
64, 35.169, 209.715

Trichromacy



Original Color
64, 43.749, 262.612

Protanomaly
64, 40.602, 274.630

Deuteranomaly
64, 44.270, 273.656

Tritanomaly
64, 35.077, 230.441

Monochromacy



Original Color
64, 43.749, 262.612

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 18.146, 250.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 43.749, 262.612 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(65, 162, 232)` looks like.

```
.text, #text, p{  
    color:rgb(65, 162, 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(65, 162, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 162, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 43.749, 262.612 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(65, 162, 232) }
```

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

```
.border{ border-color:rgb(65, 162, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 162, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 162, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 162, 232);  
box-shadow:4px 4px 4px 4px rgb(65, 162,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 43.749, 262.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 162, 232) }
```

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

```
.background{ background-color: rgb(65, 162,  
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](#).

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