

Converting Colors

CIELCh(64, 42.282, 252.763)

Have a look what the booklet for
CIELCh(64, 42.282, 252.763)
contains.

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Color

CIELCh(64, 42.144, 252.576)

Conversions

Conversions Part 1

Format	Color
Hex	21A5E2
RGB	33, 165, 226
RGB Percent	13%, 65%, 89%
CMY	0.8689, 0.3523, 0.1130
CMYK	0.85, 0.27, 0.00, 0.11
HSL	199°, 77%, 51%
HSV	199°, 85%, 89%
XYZ	27.8778, 32.8017, 76.9420
YIQ	132.4860, -98.2530, -9.0130

Conversions

Conversions Part 2

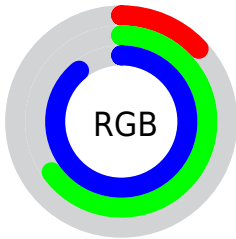
Format	Color
R _Y B	33, 111, 226
Decimal	2205154
CIE Lab	64.00, -12.62, -40.21
CIE LCh	64, 42.144, 252.576
Yxy	32.8017, 0.2026, 0.2383
Android (android.graphics.Color)	4280395234 (0xFF21A5E2)
YUV	132.4860, 46.1024, -87.2492
Hunter-Lab	57.2727, -13.3415, -39.5612

Details

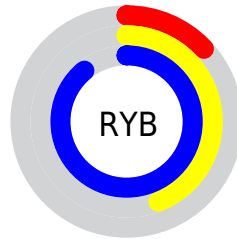
The CIELCh color **64, 42.144, 252.576** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **56, 74.741, 49.557**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 33.795, 231.312**, and **45, 38.234, 262.057** is the 20% darker color. If you saturate the color by 10%, you get **62, 44.945, 257.455**, and if you desaturate by 10%, it is **66, 39.036, 248.336**.

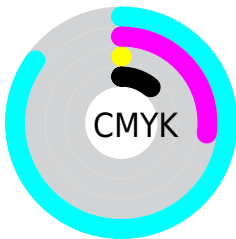
Distribution



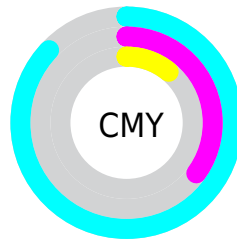
- Red (13%)
- Green (65%)
- Blue (89%)



- Red (13%)
- Yellow (44%)
- Blue (89%)



- Cyan (85%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)





- Cyan (87%)
- Magenta (35%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 42.144, 252.576 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, 42.144, 252.576 by changing the saturation by 10% instead.


 64, 42.144,
252.576


 64, 42.144,
252.576


 100, 42.144,
252.576


 54, 42.144,
252.576


 84, 42.144,
252.576

 44, 42.144,
252.576

 94, 42.144,
252.576

 34, 42.144,
252.576

 24, 42.144,
252.576

 14, 42.144,
252.576

 4, 42.144, 252.576

 0, 42.144, 252.576

■ 64, 42.144,
252.576

■ 64, 42.144,
252.576

■ 62, 44.945,
257.455

■ 66, 39.036,
248.336

■ 61, 46.280,
259.873

■ 69, 35.464,
244.780

■ 72, 31.348,
241.870

■ 75, 26.674,
239.525

■ 78, 21.478,
237.654

■ 81, 15.822,
236.172

■ 85, 9.779, 235.010

■ 88, 3.423, 234.176

Harmonies

Complementary

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



64, 42.144, 252.576



56, 74.741, 49.557

Rectangle

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



64, 42.144, 252.576



64, 42.144, 302.576



64, 42.144, 72.576



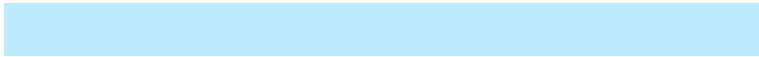
64, 42.144, 122.576

Sweetspot

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



64, 42.143, 252.577



90, 17.934, 236.299



79, 88.658, 143.727



47, 12.042, 236.787



0, 0.000, 0.000



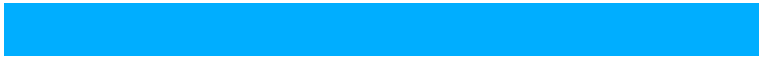
53, 0.007, 296.813

Same Dimension

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



64, 42.143, 252.577



68, 50.859, 260.249



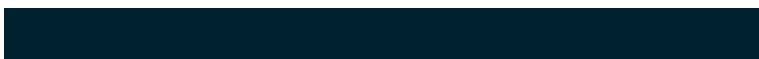
39, 92.390, 298.783



45, 3.670, 234.475



48, 38.018, 258.938



11, 14.467, 249.132

Inverse Universe

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



52, 81.652, 343.516



56, 91.016, 346.601



77, 74.101, 89.858



44, 6.531, 335.585



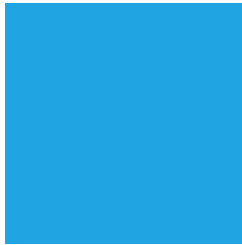
39, 69.213, 346.037



7, 29.078, 342.366

Previews

White Background



This preview shows how the CIE LCh color 64, 42.144, 252.576 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 64, 42.144, 252.576 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

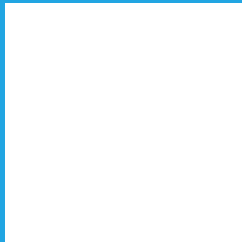
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 42.144, 252.576

Background



This preview shows how black text looks on a background with the CIELCh color 64, 42.144, 252.576.

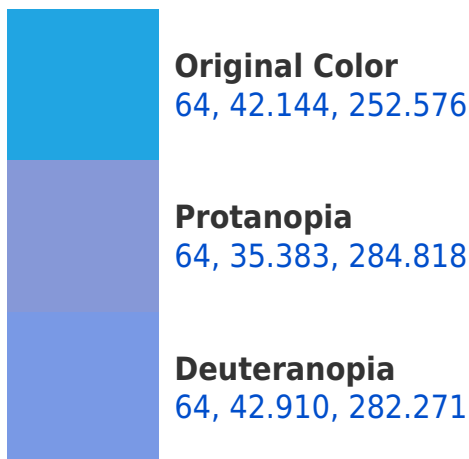


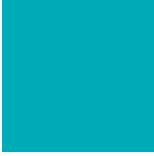
This preview shows how white text looks on a background with the CIELCh color 64, 42.144, 252.576.

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, 35.865, 208.468

Trichromacy



Original Color
64, 42.144, 252.576



Protanomaly
63, 37.469, 267.550



Deuteranomaly
63, 42.351, 269.583



Tritanomaly
64, 35.813, 225.301

Monochromacy



Original Color
64, 42.144, 252.576



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 19.586, 238.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 42.144, 252.576 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(33, 165, 226)` looks like.

```
.text, #text, p{  
    color:rgb(33, 165, 226)  
}
```

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(33, 165, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 165, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 42.144, 252.576 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(33, 165, 226) }
```

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

```
.border{ border-color:rgb(33, 165, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 165, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 165, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 165, 226);  
box-shadow:4px 4px 4px 4px rgb(33, 165,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 42.144, 252.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 165, 226) }
```

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

```
.background{ background-color: rgb(33, 165,  
226) }
```

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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