

Converting Colors

CIELCh(64, 27.958, 252.703)

Have a look what the booklet for
CIELCh(64, 27.958, 252.703)
contains.

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Color

CIELCh(64, 27.805, 252.341)

Conversions

Conversions Part 1

Format	Color
Hex	66A2CA
RGB	102, 162, 202
RGB Percent	40%, 64%, 79%
CMY	0.6011, 0.3658, 0.2090
CMYK	0.50, 0.20, 0.00, 0.21
HSL	204°, 48%, 59%
HSV	204°, 50%, 79%
XYZ	28.9447, 32.8017, 60.5035
YIQ	148.6200, -48.6000, -0.2800

Conversions

Conversions Part 2

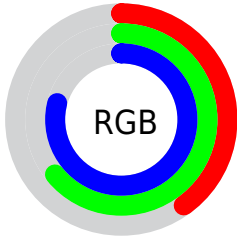
Format	Color
R _Y B	102, 140, 202
Decimal	6726346
CIE Lab	64.00, -8.43, -26.49
CIE LCh	64, 27.805, 252.341
Yxy	32.8017, 0.2368, 0.2683
Android (android.graphics.Color)	4284916426 (0xFF66A2CA)
YUV	148.6200, 26.3163, -40.8857
Hunter-Lab	57.2727, -10.0164, -22.5436

Details

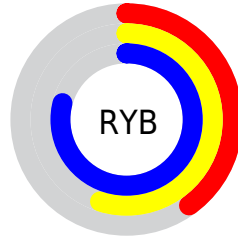
The CIELCh color `64, 27.805, 252.341` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `64, 35.368, 59.082`, and the grayscale version is `61, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 26.304, 248.623`, and `44, 28.066, 253.123` is the 20% darker color. If you saturate the color by 10%, you get `61, 32.579, 255.270`, and if you desaturate by 10%, it is `67, 22.708, 249.922`.

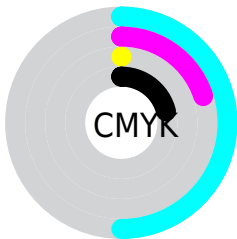
Distribution



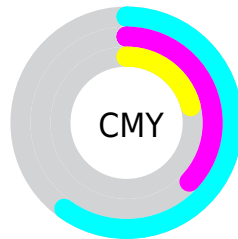
- Red (40%)
- Green (64%)
- Blue (79%)



- Red (40%)
- Yellow (55%)
- Blue (79%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (21%)





- Cyan (60%)
- Magenta (37%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 27.805, 252.341 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, 27.805, 252.341 by changing the saturation by 10% instead.


 64, 27.805,
252.341


 64, 27.805,
252.341


 100, 27.805,
252.341


 54, 27.805,
252.341


 84, 27.805,
252.341

 44, 27.805,
252.341

 94, 27.805,
252.341

 34, 27.805,
252.341

 24, 27.805,
252.341

 14, 27.805,
252.341

 4, 27.805, 252.341

 0, 27.805, 252.341

64, 27.805,
252.341

64, 27.805,
252.341

61, 32.579,
255.270

67, 22.708,
249.922

58, 37.043,
258.772

71, 17.312,
247.938

55, 41.254,
262.872

74, 11.656,
246.319

52, 45.322,
267.518

78, 5.785, 245.017

50, 49.426,
272.456

81, 0.254, 62.074

49, 49.607,
272.657

85, 6.420, 62.845

89, 12.676, 62.112

92, 16.765, 68.540

94, 18.494, 83.758

Harmonies

Complementary

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



64, 27.805, 252.341



64, 35.368, 59.082

Rectangle

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



64, 27.805, 252.341



64, 27.805, 302.341



64, 27.805, 72.341



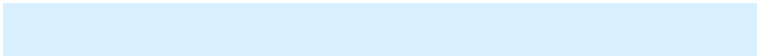
64, 27.805, 122.341

Sweetspot

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



64, 27.804, 252.340



93, 10.876, 245.712



74, 48.462, 152.980



49, 7.397, 246.002



0, 0.000, 0.000



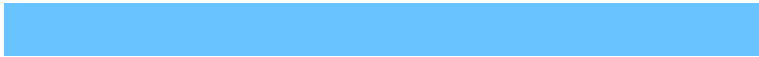
53, 0.007, 296.813

Same Dimension

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



64, 27.804, 252.340



76, 39.002, 255.346



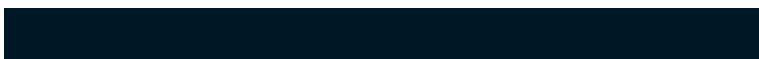
51, 51.422, 292.745



41, 3.460, 244.998



41, 42.392, 271.882



7, 13.355, 260.129

Inverse Universe

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



57, 49.056, 343.151



66, 68.822, 344.474



76, 46.355, 99.610



40, 5.691, 339.294



36, 63.397, 352.609



4, 21.119, 347.131

Previews

White Background



This preview shows how the CIELCh color 64, 27.805, 252.341 looks on a white background.

Color Contrast Check

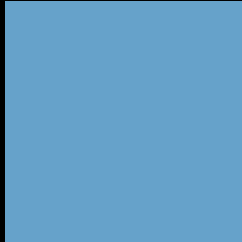
Large Text (above 18pt) WCAG AA × Fail

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, 27.805, 252.341 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, 27.805, 252.341

Background



This preview shows how black text looks on a background with the CIELCh color 64, 27.805, 252.341.

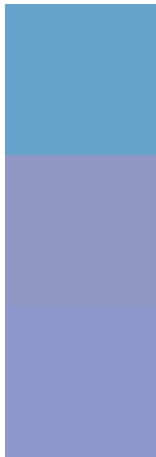


This preview shows how white text looks on a background with the CIELCh color 64, 27.805, 252.341.

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


64, 27.805, 252.341

Protanopia

64, 23.549, 285.279

Deuteranopia

64, 29.109, 286.812



Tritanopia
64, 23.445, 215.823

Trichromacy



Original Color
64, 27.805, 252.341

Protanomaly
64, 24.153, 271.345

Deuteranomaly
64, 27.395, 273.349

Tritanomaly
64, 23.791, 230.885

Monochromacy



Original Color
64, 27.805, 252.341

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 11.296, 247.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 27.805, 252.341 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(102, 162, 202)` looks like.

```
.text, #text, p{  
    color:rgb(102, 162, 202)  
}
```

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(102, 162, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 162, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 27.805, 252.341 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(102, 162, 202) }
```

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

```
.border{ border-color:rgb(102, 162, 202) }
```

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

Here you see how a box with a 4 pixel rgb(102, 162, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 162, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 162, 202);  
box-shadow:4px 4px 4px 4px rgb(102, 162,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 27.805, 252.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 162, 202) }
```

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

```
.background{ background-color: rgb(102,  
162, 202) }
```

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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