

Converting Colors

CIELCh(66, 41.050, 257.356)

Have a look what the booklet for
CIELCh(66, 41.050, 257.356)
contains.

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Color

CIELCh(66, 41.050, 257.356)

Conversions

Conversions Part 1

Format	Color
Hex	45A9E8
RGB	69, 169, 232
RGB Percent	27%, 66%, 91%
CMY	0.7310, 0.3384, 0.0914
CMYK	0.70, 0.27, 0.00, 0.09
HSL	203°, 78%, 59%
HSV	203°, 70%, 91%
XYZ	31.0781, 35.3238, 81.2877
YIQ	146.2820, -79.8230, -1.6070

Conversions

Conversions Part 2

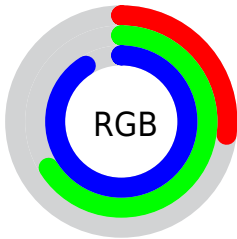
Format	Color
RYB	69, 131, 232
Decimal	4565480
CIELab	66.00, -8.99, -40.05
CIElCh	66, 41.050, 257.356
Yxy	35.3238, 0.2104, 0.2392
Android (android.graphics.Color)	4282755560 (0xFF45A9E8)
YUV	146.2820, 42.2590, -67.7763
Hunter-Lab	59.4338, -10.6710, -39.4873

Details

The CIELCh color **66, 41.050, 257.356** 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 **65, 59.841, 56.012**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 29.952, 231.272**, and **47, 39.285, 262.194** is the 20% darker color. If you saturate the color by 10%, you get **63, 45.496, 261.560**, and if you desaturate by 10%, it is **69, 36.290, 253.775**.

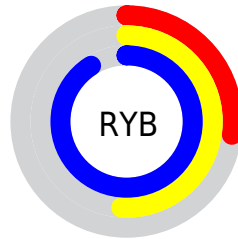
Distribution



Red (27%)

Green (66%)

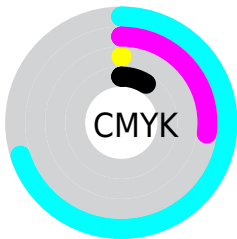
Blue (91%)



Red (27%)

Yellow (51%)

Blue (91%)

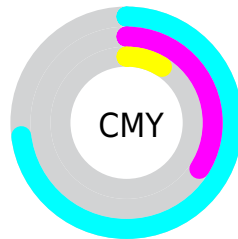


Cyan (70%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (73%)


Magenta (34%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 41.050, 257.356 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 66, 41.050, 257.356 by changing the saturation by 10% instead.


 66, 41.050,
257.356


 66, 41.050,
257.356


 100, 41.050,
257.356


 56, 41.050,
257.356


 86, 41.050,
257.356

 46, 41.050,
257.356

 96, 41.050,
257.356

 36, 41.050,
257.356

 26, 41.050,
257.356

 16, 41.050,
257.356

 6, 41.050, 257.356

 0, 41.050, 257.356

66, 41.050,
257.356

66, 41.050,
257.356

63, 45.496,
261.560

69, 36.290,
253.775

60, 49.765,
266.328

73, 31.149,
250.791

57, 53.898,
271.193

76, 25.612,
248.340

80, 19.705,
246.340

84, 13.476,
244.717

88, 6.980, 243.417

92, 0.273, 244.108

96, 6.594, 61.272

Harmonies

Complementary

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



66, 41.050, 257.356



65, 59.841, 56.012

Rectangle

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



66, 41.050, 257.356



66, 41.050, 307.356



66, 41.050, 77.356



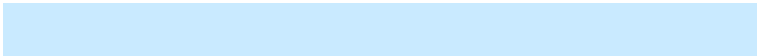
66, 41.050, 127.356

Sweetspot

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



66, 41.049, 257.357



91, 14.981, 244.823



82, 73.372, 149.655



47, 10.089, 245.246



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 41.049, 257.357



68, 50.789, 263.429



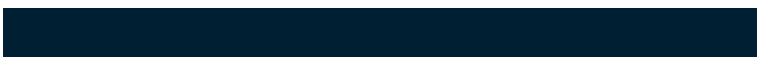
44, 84.919, 298.033



46, 3.791, 243.312



45, 43.767, 270.252



11, 16.418, 260.784

Inverse Universe

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



56, 73.027, 345.363



58, 85.732, 348.081



84, 70.379, 97.370



45, 6.331, 338.662



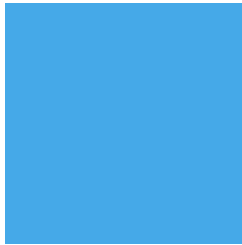
39, 67.326, 351.634



7, 29.062, 346.869

Previews

White Background



This preview shows how the CIE LCh color 66, 41.050, 257.356 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 66, 41.050, 257.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

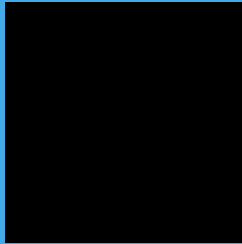
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

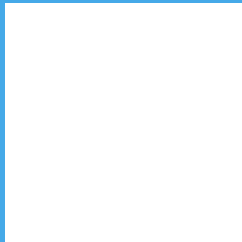
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 41.050, 257.356

Background



This preview shows how black text looks on a background with the CIELCh color 66, 41.050, 257.356.

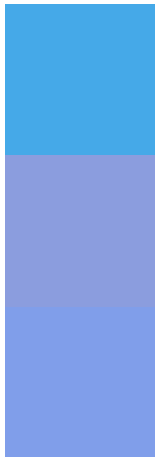


This preview shows how white text looks on a background with the CIELCh color 66, 41.050, 257.356.

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

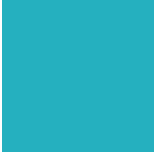
66, 41.050, 257.356

Protanopia

66, 36.269, 285.088

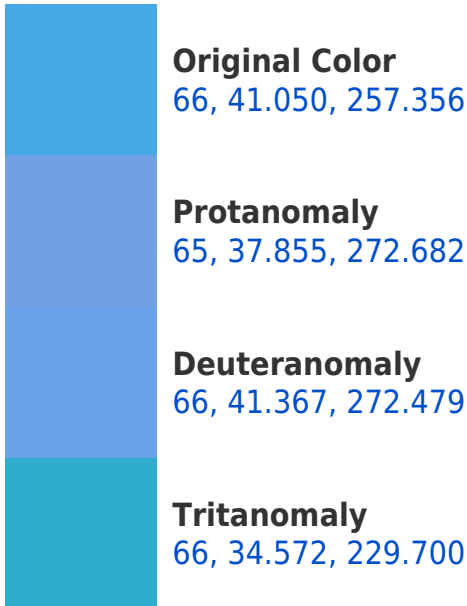
Deuteranopia

66, 42.601, 282.731

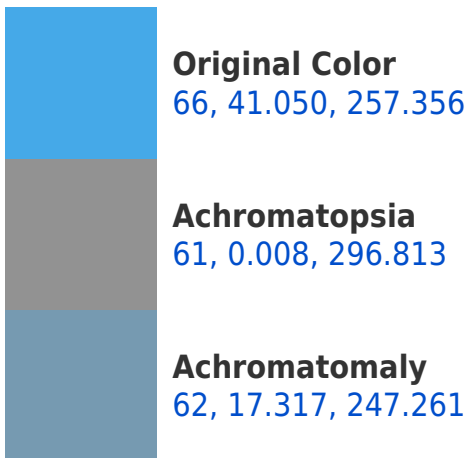


Tritanopia
66, 34.681, 210.881

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 41.050, 257.356 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(69, 169, 232)` looks like.

```
.text, #text, p{  
    color:rgb(69, 169, 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(69, 169, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 169, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 41.050, 257.356 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(69, 169, 232) }
```

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

```
.border{ border-color:rgb(69, 169, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 169, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 169, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 169, 232);  
box-shadow:4px 4px 4px 4px rgb(69, 169,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 41.050, 257.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 169, 232) }
```

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

```
.background{ background-color: rgb(69, 169,  
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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