

Converting Colors

CIELCh(65, 36.197, 272.622)

Have a look what the booklet for
CIELCh(65, 36.197, 272.622)
contains.

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Color

CIELCh(65, 36.166, 272.566)

Conversions

Conversions Part 1

Format	Color
Hex	73A0DE
RGB	115, 160, 222
RGB Percent	45%, 63%, 87%
CMY	0.5491, 0.3726, 0.1295
CMYK	0.48, 0.28, 0.00, 0.13
HSL	215°, 62%, 66%
HSV	215°, 48%, 87%
XYZ	32.8131, 34.0472, 73.9290
YIQ	153.6130, -46.7220, 9.7420

Conversions

Conversions Part 2

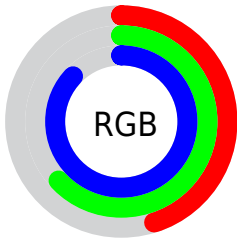
Format	Color
R _Y B	115, 147, 222
Decimal	7577822
CIE Lab	65.00, 1.62, -36.13
CIE LCh	65, 36.166, 272.566
Yxy	34.0472, 0.2331, 0.2418
Android (android.graphics.Color)	4285767902 (0xFF73A0DE)
YUV	153.6130, 33.7148, -33.8636
Hunter-Lab	58.3500, -1.7328, -34.2751

Details

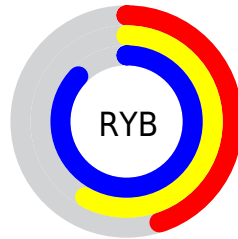
The CIELCh color `65, 36.166, 272.566` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `75, 38.794, 77.045`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 24.524, 258.679`, and `45, 36.318, 272.548` is the 20% darker color. If you saturate the color by 10%, you get `60, 43.726, 275.482`, and if you desaturate by 10%, it is `70, 28.637, 270.068`.

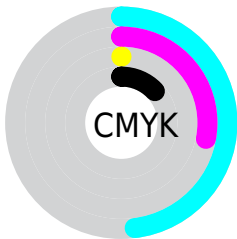
Distribution



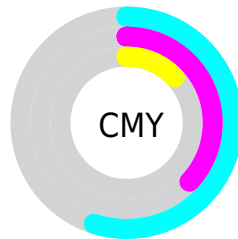
- Red (45%)
- Green (63%)
- Blue (87%)



- Red (45%)
- Yellow (58%)
- Blue (87%)



- Cyan (48%)
- Magenta (28%)
- Yellow (0%)
- Black (13%)





- Cyan (55%)
- Magenta (37%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.166, 272.566 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 65, 36.166, 272.566 by changing the saturation by 10% instead.


 65, 36.166,
272.566


 65, 36.166,
272.566


 100, 36.166,
272.566


 55, 36.166,
272.566


 85, 36.166,
272.566

 45, 36.166,
272.566

 95, 36.166,
272.566

 35, 36.166,
272.566

 25, 36.166,
272.566

 15, 36.166,
272.566

 5, 36.166, 272.566

 0, 36.166, 272.566

■ 65, 36.166,
272.566

■ 65, 36.166,
272.566

■ 60, 43.726,
275.482

■ 70, 28.637,
270.068

■ 56, 51.363,
278.832

■ 75, 21.121,
267.946

■ 51, 59.138,
282.584

■ 80, 13.616,
266.150

■ 47, 67.110,
286.629

■ 84, 6.129, 264.644

■ 89, 1.328, 83.030

■ 44, 75.288,
290.744

■ 94, 8.742, 82.114

■ 43, 76.781,
291.437

■ 98, 14.341,
101.744

■ 99, 16.705,
108.915

Harmonies

Complementary

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



65, 36.166, 272.566



75, 38.794, 77.045

Rectangle

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



65, 36.166, 272.566



65, 36.166, 322.566



65, 36.166, 92.566



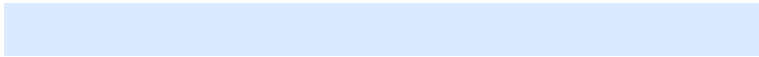
65, 36.166, 142.566

Sweetspot

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



65, 36.165, 272.566



92, 11.713, 265.498



81, 43.696, 162.232



48, 8.089, 265.838



0, 0.000, 0.000



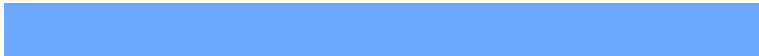
53, 0.007, 296.813

Same Dimension

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



65, 36.165, 272.566



69, 48.765, 275.559



54, 61.630, 298.873



44, 4.280, 264.815



34, 63.493, 290.768



7, 21.496, 281.547

Inverse Universe

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



62, 46.977, 353.862



65, 62.248, 355.800



86, 54.074, 108.704



44, 5.459, 348.962



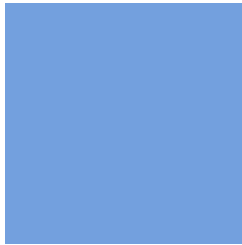
37, 64.005, 9.472



6, 25.802, 0.377

Previews

White Background



This preview shows how the CIE LCh color 65, 36.166, 272.566 looks on a white background.

Color Contrast Check

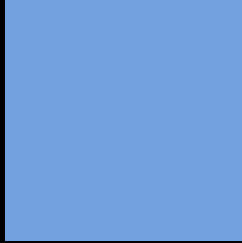
Large Text (above 18pt) WCAG AA × Fail

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 65, 36.166, 272.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

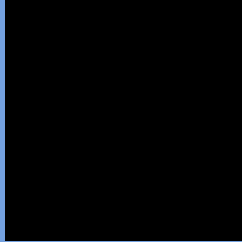
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

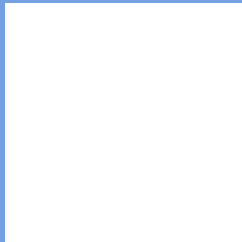
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 36.166, 272.566

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.166, 272.566.

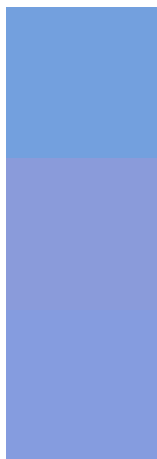


This preview shows how white text looks on a background with the CIELCh color 65, 36.166, 272.566.

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

65, 36.166, 272.566

Protanopia

65, 35.230, 285.195

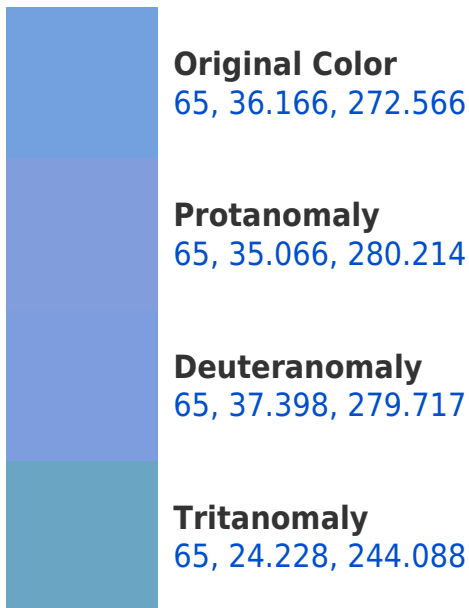
Deuteranopia

65, 37.581, 283.363

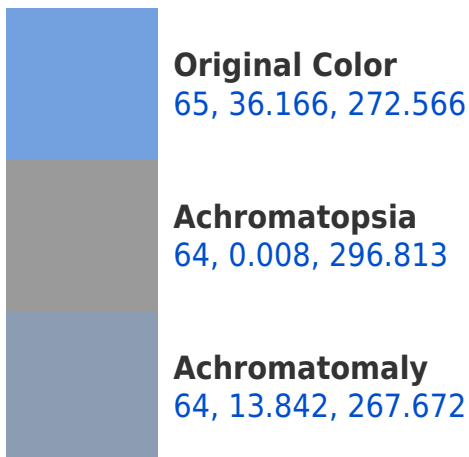


Tritanopia
65, 22.016, 217.115

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.166, 272.566 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(115, 160, 222)` looks like.

```
.text, #text, p{  
    color:rgb(115, 160, 222)  
}
```

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(115, 160, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 160, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.166, 272.566 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(115, 160, 222) }
```

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

```
.border{ border-color:rgb(115, 160, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 160, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 160, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 160, 222); box-shadow:4px 4px 4px 4px rgb(115, 160, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.166, 272.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 160, 222) }
```

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

```
.background{ background-color: rgb(115,  
160, 222) }
```

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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