

Converting Colors

CIELCh(65, 40.993, 282.716)

Have a look what the booklet for
CIELCh(65, 40.993, 282.716)
contains.

CIELCh(65, 41.005, 282.820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 41.005, 282.820)

Conversions

Conversions Part 1

Format	Color
Hex	809CE5
RGB	128, 156, 229
RGB Percent	50%, 61%, 90%
CMY	0.4978, 0.3880, 0.1017
CMYK	0.44, 0.32, 0.00, 0.10
HSL	223°, 66%, 70%
HSV	223°, 44%, 90%
XYZ	34.9573, 34.0472, 78.8978
YIQ	155.9500, -40.1210, 16.7670

Conversions

Conversions Part 2

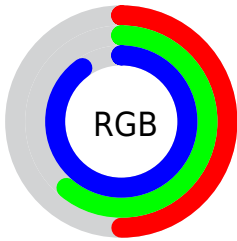
Format	Color
R _Y B	128, 150, 229
Decimal	8428773
CIE Lab	65.00, 9.10, -39.98
CIE LCh	65, 41.005, 282.820
Yxy	34.0472, 0.2364, 0.2302
Android (android.graphics.Color)	4286618853 (0xFF809CE5)
YUV	155.9500, 36.0137, -24.5121
Hunter-Lab	58.3500, 4.8264, -39.3239

Details

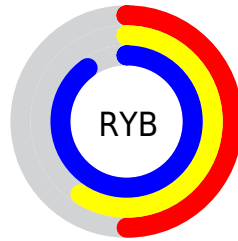
The CIELCh color `65, 41.005, 282.820` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `82, 40.008, 89.731`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 24.869, 272.758`, and `45, 41.004, 282.861` is the 20% darker color. If you saturate the color by 10%, you get `59, 50.969, 285.327`, and if you desaturate by 10%, it is `71, 31.317, 280.658`.

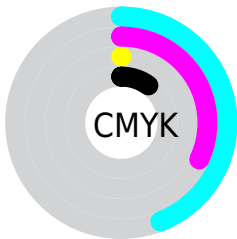
Distribution



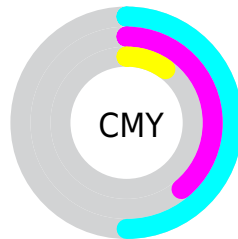
- Red (50%)
- Green (61%)
- Blue (90%)



- Red (50%)
- Yellow (59%)
- Blue (90%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)
- Black (10%)





- Cyan (50%)
- Magenta (39%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 41.005, 282.820 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, 41.005, 282.820 by changing the saturation by 10% instead.


 65, 41.005,
282.820


 65, 41.005,
282.820


 100, 41.005,
282.820


 55, 41.005,
282.820


 85, 41.005,
282.820

 45, 41.005,
282.820

 95, 41.005,
282.820

 35, 41.005,
282.820

 25, 41.005,
282.820

 15, 41.005,
282.820

 5, 41.005, 282.820

 0, 41.005, 282.820

■ 65, 41.005,
282.820

■ 65, 41.005,
282.820

■ 59, 50.969,
285.327

■ 71, 31.317,
280.658

■ 54, 61.245,
288.186

■ 77, 21.876,
278.807

■ 48, 71.835,
291.356

■ 83, 12.656,
277.230

■ 43, 82.643,
294.718

■ 89, 3.643, 275.917

■ 39, 93.356,
298.065

■ 94, 5.175, 94.643

■ 36, 99.423,
299.881

■ 99, 13.130,
109.185

Harmonies

Complementary

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



65, 41.005, 282.820



82, 40.008, 89.731

Rectangle

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



65, 41.005, 282.820



65, 41.005, 332.820



65, 41.005, 102.820



65, 41.005, 152.820

Sweetspot

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



65, 41.004, 282.820



92, 12.722, 277.084



84, 36.540, 172.492



48, 8.923, 277.407



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, 41.004, 282.820



66, 54.421, 285.119



60, 57.546, 302.553



45, 5.084, 276.584



28, 81.179, 299.354



5, 27.108, 290.082

Inverse Universe

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



65, 42.053, 3.239



67, 55.188, 5.165



87, 51.793, 115.730



45, 5.139, 358.405



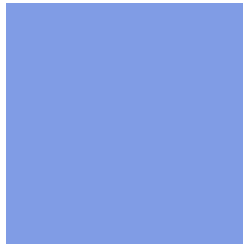
37, 67.811, 22.985



7, 26.643, 9.738

Previews

White Background



This preview shows how the CIE LCh color 65, 41.005, 282.820 looks on a white background.

Color Contrast Check

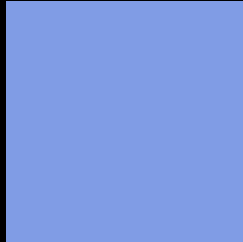
Large Text (above 18pt) WCAG AA × Fail

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, 41.005, 282.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

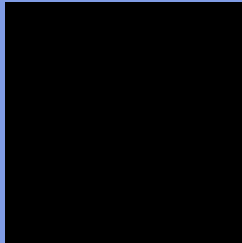
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

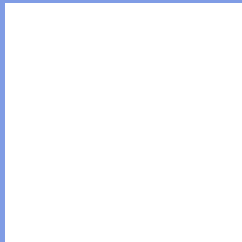
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 41.005, 282.820

Background



This preview shows how black text looks on a background with the CIELCh color 65, 41.005, 282.820.

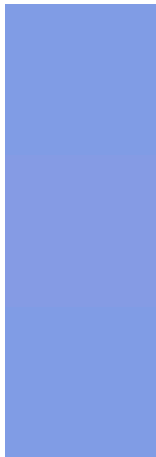


This preview shows how white text looks on a background with the CIELCh color 65, 41.005, 282.820.

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, 41.005, 282.820

Protanopia

65, 40.814, 285.131

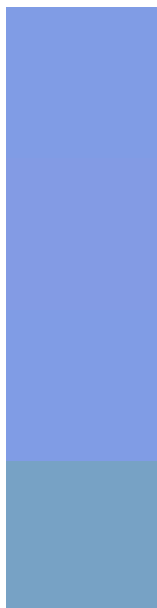
Deuteranopia

65, 41.005, 282.820



Tritanopia
65, 18.440, 221.347

Trichromacy



Original Color
65, 41.005, 282.820

Protanomaly
65, 40.887, 284.363

Deuteranomaly
65, 41.005, 282.820

Tritanomaly
65, 23.244, 256.161

Monochromacy



Original Color
65, 41.005, 282.820

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 15.349, 278.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 41.005, 282.820 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(128, 156, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 156, 229)  
}
```

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(128, 156, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 156, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 41.005, 282.820 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(128, 156, 229) }
```

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

```
.border{ border-color:rgb(128, 156, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 156, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 156, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 156, 229); box-shadow:4px 4px 4px 4px rgb(128, 156, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 41.005, 282.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 156, 229) }
```

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

```
.background{ background-color: rgb(128,  
156, 229) }
```

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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