

Converting Colors

CIELCh(41, 69.996, 291.683)

Have a look what the booklet for
CIELCh(41, 69.996, 291.683)
contains.

CIELCh(41, 69.887, 291.613)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 69.887, 291.613)

Conversions

Conversions Part 1

Format	Color
Hex	2159CD
RGB	33, 89, 205
RGB Percent	13%, 35%, 80%
CMY	0.8710, 0.6511, 0.1963
CMYK	0.84, 0.57, 0.00, 0.20
HSL	220°, 72%, 47%
HSV	220°, 84%, 80%
XYZ	15.2058, 11.8645, 59.2140
YIQ	85.4800, -70.6120, 24.2040

Conversions

Conversions Part 2

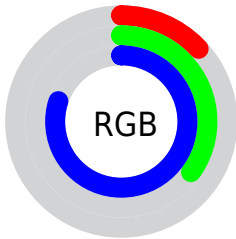
Format	Color
R_{YB}	33, 75, 205
Decimal	2185677
CIE Lab	41.00, 25.74, -64.97
CIE LCh	41, 69.887, 291.613
Yxy	11.8645, 0.1762, 0.1375
Android (android.graphics.Color)	4280375757 (0xFF2159CD)
YUV	85.4800, 58.9234, -46.0250
Hunter-Lab	34.4449, 18.5206, -77.8135

Details

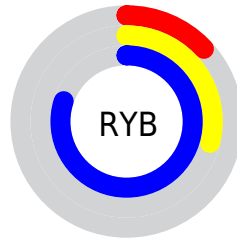
The CIELCh color **41, 69.887, 291.613** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **65, 64.448, 79.726**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 65.798, 290.817**, and **24, 68.135, 297.785** is the 20% darker color. If you saturate the color by 10%, you get **37, 79.067, 295.219**, and if you desaturate by 10%, it is **45, 60.815, 288.083**.

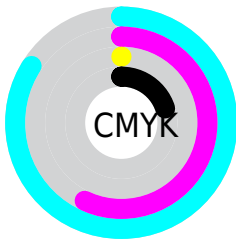
Distribution



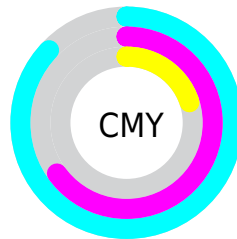
- Red (13%)
- Green (35%)
- Blue (80%)



- Red (13%)
- Yellow (29%)
- Blue (80%)



- Cyan (84%)
- Magenta (57%)
- Yellow (0%)
- Black (20%)



- Cyan (87%)
- Magenta (65%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 69.887, 291.613 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 41, 69.887, 291.613 by changing the saturation by 10% instead.

■ 41, 69.887,
291.613

■ 41, 69.887,
291.613

■ 100, 69.887,
291.613

■ 31, 69.887,
291.613

■ 61, 69.887,
291.613

■ 21, 69.887,
291.613

■ 71, 69.887,
291.613

■ 11, 69.887,
291.613

■ 81, 69.887,
291.613

■ 1, 69.887, 291.613

■ 91, 69.887,
291.613

■ 0, 69.887, 291.613

■ 41, 69.887,

■ 41, 69.887,

291.613

■ 37, 79.067,
295.219

■ 35, 84.574,
297.270

291.613

■ 45, 60.815,
288.083

■ 50, 51.975,
284.804

■ 55, 43.379,
281.871

■ 60, 34.996,
279.311

■ 65, 26.791,
277.107

■ 70, 18.738,
275.223

■ 75, 10.824,
273.618

■ 80, 3.042, 272.291

Harmonies

Complementary

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



41, 69.887, 291.613



65, 64.448, 79.726

Rectangle

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



41, 69.887, 291.613



41, 69.887, 341.613



41, 69.887, 111.613



41, 69.887, 161.613

Sweetspot

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



41, 69.887, 291.614



85, 23.388, 275.465



74, 57.107, 162.565



43, 16.004, 276.115



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 69.887, 291.614



43, 101.043, 297.724



31, 101.552, 306.183



40, 4.372, 272.973



28, 71.093, 296.719



4, 18.323, 282.367

Inverse Universe

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



45, 67.659, 11.101



54, 87.184, 19.980



78, 78.835, 112.194



40, 4.777, 355.022



35, 62.656, 18.243



4, 18.667, 3.587

Previews

White Background



This preview shows how the CIELCh color 41, 69.887, 291.613 looks on a white background.

Color Contrast Check

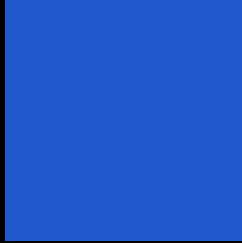
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 41, 69.887, 291.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

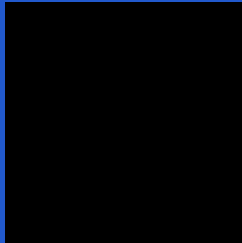
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 69.887, 291.613

Background



This preview shows how black text looks on a background with the CIELCh color 41, 69.887, 291.613.



This preview shows how white text looks on a background with the CIELCh color 41, 69.887, 291.613.

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


41, 69.887, 291.613

Protanopia

41, 63.139, 286.898

Deuteranopia

41, 44.315, 273.905



Tritanopia
41, 25.624, 206.278

Trichromacy



Original Color
41, 69.887, 291.613

Protanomaly
41, 65.371, 288.389

Deuteranomaly
41, 53.468, 282.314

Tritanomaly
40, 32.901, 259.714

Monochromacy



Original Color
41, 69.887, 291.613

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 27.037, 280.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 69.887, 291.613 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, 89, 205)` looks like.

```
.text, #text, p{  
    color:rgb(33, 89, 205)  
}
```

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, 89, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 89, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 69.887, 291.613 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, 89, 205) }
```

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

```
.border{ border-color:rgb(33, 89, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 89, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 89, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 89, 205);  
box-shadow:4px 4px 4px 4px rgb(33, 89,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 69.887, 291.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 89, 205) }
```

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

```
.background{ background-color: rgb(33, 89,  
205) }
```

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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