

Converting Colors

CIELCh(38, 65.844, 289.703)

Have a look what the booklet for
CIELCh(38, 65.844, 289.703)
contains.

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Color

CIELCh(38, 65.515, 289.532)

Conversions

Conversions Part 1

Format	Color
Hex	0054BF
RGB	0, 84, 191
RGB Percent	0%, 33%, 75%
CMY	1.0000, 0.6708, 0.2513
CMYK	1.00, 0.56, 0.00, 0.25
HSL	214°, 100%, 37%
HSV	214°, 100%, 75%
XYZ	12.5581, 10.0881, 50.5347
YIQ	71.0820, -84.4110, 15.4690

Conversions

Conversions Part 2

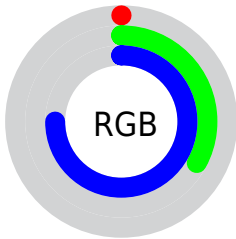
Format	Color
RYB	0, 58, 191
Decimal	21695
CIELab	38.00, 21.90, -61.74
CIElCh	38, 65.515, 289.532
Yxy	10.0881, 0.1716, 0.1379
Android (android.graphics.Color)	4278211775 (0xFF0054BF)
YUV	71.0820, 59.1196, -62.3389
Hunter-Lab	31.7617, 14.9932, -72.1007

Details

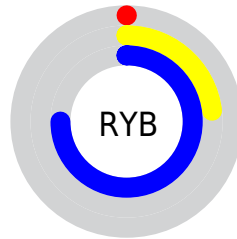
The CIELCh color **38, 65.515, 289.532** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **54, 67.190, 65.696**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 65.255, 289.452**, and **21, 62.725, 297.396** is the 20% darker color. If you saturate the color by 10%, you get **38, 65.513, 289.543**, and if you desaturate by 10%, it is **41, 58.580, 285.430**.

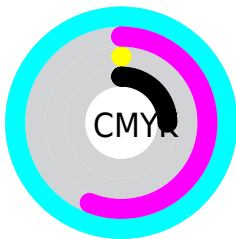
Distribution



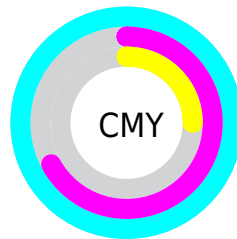
- Red (0%)
- Green (33%)
- Blue (75%)



- Red (0%)
- Yellow (23%)
- Blue (75%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (67%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 65.515, 289.532 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 38, 65.515, 289.532 by changing the saturation by 10% instead.


 38, 65.515,
289.532


 38, 65.515,
289.532

 100, 65.515,
289.532


 28, 65.515,
289.532

 58, 65.515,
289.532


 18, 65.515,
289.532


 68, 65.515,
289.532

 8, 65.515, 289.532

 78, 65.515,
289.532

 0, 65.515, 289.532

 88, 65.515,
289.532

 98, 65.515,
289.532

■ 38, 65.515,
289.532

■ 38, 65.515,
289.532

■ 38, 65.513,
289.543

■ 41, 58.580,
285.430

■ 45, 51.847,
281.317

■ 48, 45.271,
277.500

■ 52, 38.793,
274.089

■ 56, 32.353,
271.117

■ 60, 25.912,
268.571

■ 65, 19.453,
266.407

■ 69, 12.976,

264.576

■ 73, 6.490, 263.038

Harmonies

Complementary

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



38, 65.515, 289.532



54, 67.190, 65.696

Rectangle

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



38, 65.515, 289.532



38, 65.515, 339.532



38, 65.515, 109.532



38, 65.515, 159.532

Sweetspot

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



38, 65.513, 289.543



82, 24.004, 266.502



68, 67.990, 151.744



42, 16.504, 267.389



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



38, 65.513, 289.543



49, 80.922, 290.244



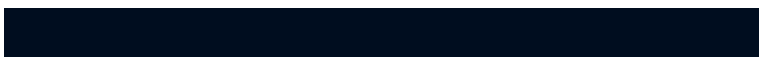
23, 107.397, 306.429



38, 3.643, 262.947



31, 56.131, 288.906



4, 12.255, 272.893

Inverse Universe

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



41, 67.934, 7.940



53, 82.567, 8.806



74, 78.112, 105.944



37, 4.788, 347.803



33, 59.064, 7.175



3, 13.524, 355.109

Previews

White Background



This preview shows how the CIE LCh color 38, 65.515, 289.532 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 CIELCh color 38, 65.515, 289.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

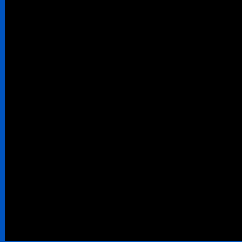
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 65.515, 289.532

Background



This preview shows how black text looks on a background with the CIELCh color 38, 65.515, 289.532.



This preview shows how white text looks on a background with the CIELCh color 38, 65.515, 289.532.

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


38, 65.515, 289.532

Protanopia

38, 59.701, 286.850

Deuteranopia

38, 41.755, 273.560



Tritanopia
38, 24.300, 205.444

Trichromacy



Original Color
38, 65.515, 289.532

Protanomaly
38, 62.039, 288.030

Deuteranomaly
38, 49.974, 280.993

Tritanomaly
37, 30.749, 256.341

Monochromacy



Original Color
38, 65.515, 289.532

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 25.886, 273.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 65.515, 289.532 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(0, 84, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 84, 191)  
}
```

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(0, 84, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 84, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 65.515, 289.532 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(0, 84, 191) }
```

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

```
.border{ border-color:rgb(0, 84, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 84, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 84, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 84, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 84, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 65.515, 289.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 84, 191) }
```

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

```
.background{ background-color: rgb(0, 84,  
191) }
```

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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