

Converting Colors

CIELCh(51, 36.054, 299.876)

Have a look what the booklet for
CIELCh(51, 36.054, 299.876)
contains.

CIELCh(51, 36.466, 300.275)	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(51, 36.466, 300.275)

Conversions

Conversions Part 1

Format	Color
Hex	7C71AF
RGB	124, 113, 175
RGB Percent	49%, 44%, 69%
CMY	0.5128, 0.5560, 0.3128
CMYK	0.29, 0.35, 0.00, 0.31
HSL	251°, 28%, 57%
HSV	251°, 35%, 69%
XYZ	22.0392, 19.2686, 43.2424
YIQ	123.3570, -13.3460, 21.6140

Conversions

Conversions Part 2

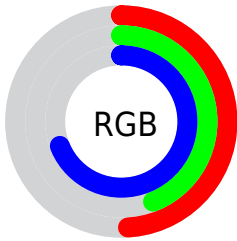
Format	Color
R_{YB}	124, 113, 175
Decimal	8155567
CIE _{Lab}	51.00, 18.38, -31.49
CIE _{LCh}	51, 36.466, 300.275
Yxy	19.2686, 0.2607, 0.2279
Android (android.graphics.Color)	4286345647 (0xFF7C71AF)
YUV	123.3570, 25.4600, 0.5639
Hunter-Lab	43.8960, 12.8029, -27.6799

Details

The CIELCh color `51, 36.466, 300.275` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `69, 33.605, 114.644`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 36.458, 300.254`, and `31, 36.423, 300.354` is the 20% darker color. If you saturate the color by 10%, you get `45, 47.630, 301.455`, and if you desaturate by 10%, it is `57, 25.666, 299.225`.

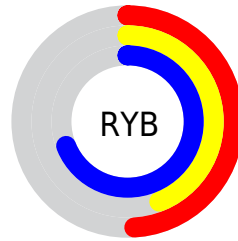
Distribution



Red (49%)

Green (44%)

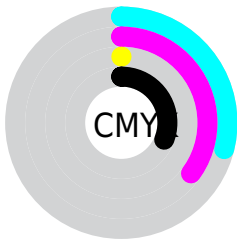
Blue (69%)



Red (49%)

Yellow (44%)

Blue (69%)

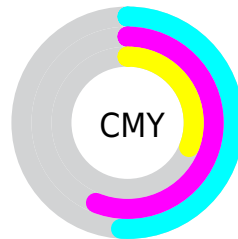


Cyan (29%)

Magenta (35%)

Yellow (0%)

Black (31%)



Cyan (51%)


Magenta (56%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 36.466, 300.275 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 51, 36.466, 300.275 by changing the saturation by 10% instead.


 51, 36.466,
300.275


 51, 36.466,
300.275


 100, 36.466,
300.275


 41, 36.466,
300.275


 71, 36.466,
300.275

 31, 36.466,
300.275

 81, 36.466,
300.275

 21, 36.466,
300.275

 91, 36.466,
300.275

 11, 36.466,
300.275

 1, 36.466, 300.275

 0, 36.466, 300.275

51, 36.466,
300.275

51, 36.466,
300.275

45, 47.630,
301.455

57, 25.666,
299.225

40, 59.057,
302.745

63, 15.261,
298.306

34, 70.485,
304.085

68, 5.249, 297.509

29, 81.360,
305.357

74, 4.391, 116.823

25, 90.707,
306.369

80, 13.678,
116.231


23, 97.262,
306.896

86, 22.637,
115.722

22, 99.716,
307.103

91, 31.287,
115.285

97, 39.651,
114.908

 98, 39.979,
107.705

Harmonies

Complementary

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



51, 36.466, 300.275



69, 33.605, 114.644

Rectangle

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



51, 36.466, 300.275



51, 36.466, 350.275



51, 36.466, 120.275



51, 36.466, 170.275

Sweetspot

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



51, 36.465, 300.275



82, 13.355, 297.957



65, 18.028, 216.807



43, 9.068, 298.065



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



51, 36.465, 300.275



60, 54.129, 301.128



54, 38.614, 316.172



34, 5.503, 297.807



18, 89.017, 307.180



1, 11.418, 295.856

Inverse Universe

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



56, 36.822, 331.963



68, 53.517, 332.448



67, 37.480, 133.006



34, 5.828, 330.287



34, 68.037, 336.657



2, 11.670, 332.127

Previews

White Background



This preview shows how the CIELCh color 51, 36.466, 300.275 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 36.466, 300.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

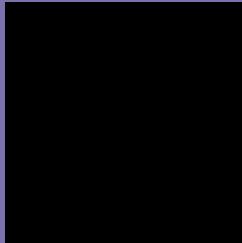
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 36.466, 300.275

Background



This preview shows how black text looks on a background with the CIELCh color 51, 36.466, 300.275.



This preview shows how white text looks on a background with the CIELCh color 51, 36.466, 300.275.

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

51, 36.466, 300.275

Protanopia

51, 35.728, 285.693

Deuteranopia

51, 31.773, 283.262



Tritanopia
51, 6.218, 269.258

Trichromacy



Original Color
51, 36.466, 300.275

Protanomaly
51, 35.574, 290.491

Deuteranomaly
51, 32.676, 289.146

Tritanomaly
51, 16.931, 292.314

Monochromacy



Original Color
51, 36.466, 300.275

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 13.518, 298.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 36.466, 300.275 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(124, 113, 175)` looks like.

```
.text, #text, p{  
    color:rgb(124, 113, 175)  
}
```

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(124, 113, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 113, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 36.466, 300.275 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(124, 113, 175) }
```

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

```
.border{ border-color:rgb(124, 113, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 113, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 113, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 113, 175);  
box-shadow:4px 4px 4px 4px rgb(124, 113,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 36.466, 300.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 113, 175) }
```

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

```
.background{ background-color: rgb(124,  
113, 175) }
```

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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