

Converting Colors

CIELCh(46, 52.171, 297.712)

Have a look what the booklet for
CIELCh(46, 52.171, 297.712)
contains.

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Color

CIELCh(46, 52.171, 297.712)

Conversions

Conversions Part 1

Format	Color
Hex	6663BB
RGB	102, 99, 187
RGB Percent	40%, 39%, 73%
CMY	0.6010, 0.6126, 0.2677
CMYK	0.46, 0.47, 0.00, 0.27
HSL	242°, 39%, 56%
HSV	242°, 47%, 73%
XYZ	18.8345, 15.2687, 48.8263
YIQ	109.9290, -26.4600, 28.0040

Conversions

Conversions Part 2

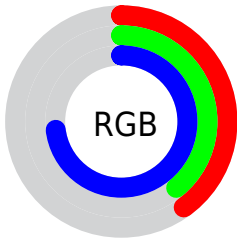
Format	Color
R _{YB}	102, 99, 187
Decimal	6710203
CIE _{Lab}	46.00, 24.26, -46.19
CIE _{LCh}	46, 52.171, 297.712
Y _{xy}	15.2687, 0.2271, 0.1841
Android (android.graphics.Color)	4284900283 (0xFF6663BB)
YUV	109.9290, 37.9960, -6.9537
Hunter-Lab	39.0751, 17.6569, -46.7332

Details

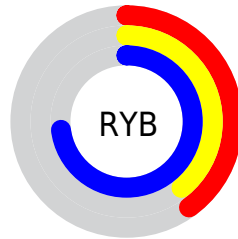
The CIELCh color **46, 52.171, 297.712** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **74, 45.984, 107.308**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 52.179, 297.563**, and **26, 52.463, 297.918** is the 20% darker color. If you saturate the color by 10%, you get **40, 64.457, 299.613**, and if you desaturate by 10%, it is **52, 40.251, 296.012**.

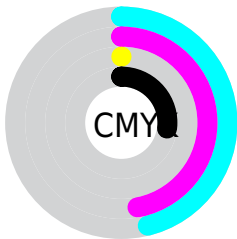
Distribution



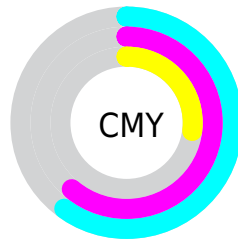
- Red (40%)
- Green (39%)
- Blue (73%)



- Red (40%)
- Yellow (39%)
- Blue (73%)



- Cyan (46%)
- Magenta (47%)
- Yellow (0%)
- Black (27%)





- Cyan (60%)
- Magenta (61%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 52.171, 297.712 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 46, 52.171, 297.712 by changing the saturation by 10% instead.


 46, 52.171,
297.712


 46, 52.171,
297.712


 100, 52.171,
297.712


 36, 52.171,
297.712

 66, 52.171,
297.712


 26, 52.171,
297.712


 76, 52.171,
297.712

 16, 52.171,
297.712

 86, 52.171,
297.712

 6, 52.171, 297.712

 96, 52.171,
297.712

 0, 52.171, 297.712

 46, 52.171,

 46, 52.171,

297.712

40, 64.457,
299.613

34, 76.807,
301.628

29, 88.488,
303.574

25, 98.146,
305.163

23, 104.273,
306.131

22, 105.715,
306.386

297.712

52, 40.251,
296.012

59, 28.791,
294.532

65, 17.800,
293.264


71, 7.252, 292.186

78, 2.883, 111.241

84, 12.635,
110.470

90, 22.033,
109.801

96, 31.100,
109.228

 99, 34.320,
107.564

Harmonies

Complementary

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



46, 52.171, 297.712



74, 45.984, 107.308

Rectangle

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



46, 52.171, 297.712



46, 52.171, 347.712



46, 52.171, 117.712



46, 52.171, 167.712

Sweetspot

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



46, 52.170, 297.713



85, 17.893, 292.935



70, 26.649, 200.841



44, 12.508, 293.182



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



46, 52.170, 297.713



51, 79.594, 299.776



50, 53.348, 312.476



36, 5.857, 292.413



18, 93.431, 306.408



1, 17.446, 291.582

Inverse Universe

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



55, 56.011, 327.884



66, 81.463, 328.382



71, 50.105, 128.064



37, 6.908, 325.849



37, 78.760, 329.606



3, 20.791, 326.638

Previews

White Background



This preview shows how the CIELCh color 46, 52.171, 297.712 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 46, 52.171, 297.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

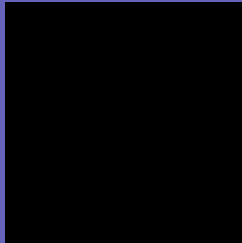
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 52.171, 297.712

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.171, 297.712.



This preview shows how white text looks on a background with the CIELCh color 46, 52.171, 297.712.

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

46, 52.171, 297.712

Protanopia

46, 52.388, 286.483

Deuteranopia

46, 44.932, 278.694



Tritanopia
46, 11.978, 225.033

Trichromacy



Original Color
46, 52.171, 297.712

Protanomaly
46, 52.209, 290.327

Deuteranomaly
46, 47.179, 285.515

Tritanomaly
46, 23.160, 278.155

Monochromacy



Original Color
46, 52.171, 297.712

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 19.063, 293.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.171, 297.712 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(102, 99, 187)` looks like.

```
.text, #text, p{  
    color:rgb(102, 99, 187)  
}
```

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(102, 99, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 99, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.171, 297.712 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(102, 99, 187) }
```

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

```
.border{ border-color:rgb(102, 99, 187) }
```

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

Here you see how a box with a 4 pixel rgb(102, 99, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 99, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 99, 187);  
box-shadow:4px 4px 4px 4px rgb(102, 99,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.171, 297.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 99, 187) }
```

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

```
.background{ background-color: rgb(102, 99,  
187) }
```

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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