

Converting Colors

CIELCh(52, 53.171, 296.362)

Have a look what the booklet for
CIELCh(52, 53.171, 296.362)
contains.

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Color

CIELCh(52, 53.342, 296.405)

Conversions

Conversions Part 1

Format	Color
Hex	7272CE
RGB	114, 114, 206
RGB Percent	45%, 45%, 81%
CMY	0.5520, 0.5521, 0.1912
CMYK	0.45, 0.45, 0.00, 0.19
HSL	240°, 49%, 63%
HSV	240°, 45%, 81%
XYZ	24.1818, 20.1443, 61.1599
YIQ	124.4880, -29.5320, 28.6120

Conversions

Conversions Part 2

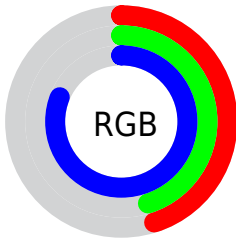
Format	Color
RYB	114, 114, 206
Decimal	7500494
CIELab	52.00, 23.72, -47.78
CIElCh	52, 53.342, 296.405
Yxy	20.1443, 0.2292, 0.1910
Android (android.graphics.Color)	4285690574 (0xFF7272CE)
YUV	124.4880, 40.1854, -9.1980
Hunter-Lab	44.8824, 17.6280, -49.3750

Details

The CIELCh color `52, 53.342, 296.405` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `81, 47.355, 105.937`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 48.607, 296.115`, and `32, 53.434, 296.529` is the 20% darker color. If you saturate the color by 10%, you get `45, 66.632, 298.433`, and if you desaturate by 10%, it is `59, 40.509, 294.615`.

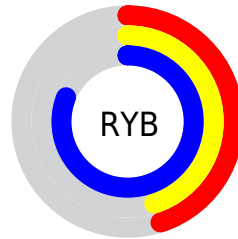
Distribution



Red (45%)

Green (45%)

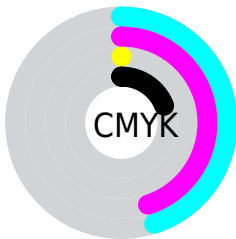
Blue (81%)



Red (45%)

Yellow (45%)

Blue (81%)

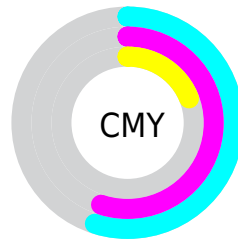


Cyan (45%)

Magenta (45%)

Yellow (0%)

Black (19%)



Cyan (55%)


Magenta (55%)


Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 53.342, 296.405 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 52, 53.342, 296.405 by changing the saturation by 10% instead.


 52, 53.342,
296.405


 52, 53.342,
296.405


 100, 53.342,
296.405


 42, 53.342,
296.405


 72, 53.342,
296.405

 32, 53.342,
296.405

 82, 53.342,
296.405

 22, 53.342,
296.405

 92, 53.342,
296.405

 12, 53.342,
296.405

 2, 53.342, 296.405

 0, 53.342, 296.405

■ 52, 53.342,
296.405

■ 52, 53.342,
296.405

■ 45, 66.632,
298.433

■ 59, 40.509,
294.615

■ 39, 80.121,
300.624

■ 66, 28.201,
293.073

■ 33, 93.107,
302.801

■ 73, 16.405,
291.761

■ 29, 104.191,
304.662

■ 80, 5.087, 290.657

■ 87, 5.787, 109.689

■ 26, 111.480,
305.870

■ 93, 16.253,
108.894

■ 25, 114.032,
306.288

■ 99, 24.613,
108.311

Harmonies

Complementary

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



52, 53.342, 296.405



81, 47.355, 105.937

Rectangle

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



52, 53.342, 296.405



52, 53.342, 346.405



52, 53.342, 116.405



52, 53.342, 166.405

Sweetspot

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



52, 53.341, 296.406



89, 17.277, 291.588



77, 28.671, 197.350



46, 12.144, 291.855



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 53.341, 296.406



56, 78.263, 298.443



56, 54.542, 311.319



39, 6.244, 291.158



19, 96.928, 306.288



1, 23.534, 292.453

Inverse Universe

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



61, 59.047, 326.799



70, 82.983, 327.241



78, 51.106, 126.988



40, 7.537, 324.941



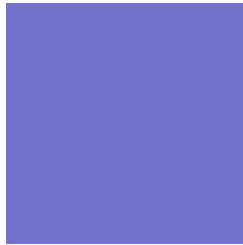
39, 83.693, 328.243



5, 29.036, 327.505

Previews

White Background



This preview shows how the CIELCh color 52, 53.342, 296.405 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 CIE LCh color 52, 53.342, 296.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

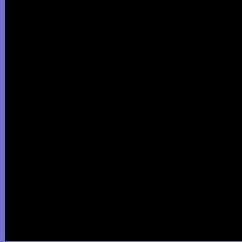
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 53.342, 296.405

Background



This preview shows how black text looks on a background with the CIELCh color 52, 53.342, 296.405.



This preview shows how white text looks on a background with the CIELCh color 52, 53.342, 296.405.

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

52, 53.342, 296.405

Protanopia

52, 52.975, 286.246

Deuteranopia

52, 47.331, 279.810



Tritanopia
52, 13.140, 227.677

Trichromacy



Original Color
52, 53.342, 296.405

Protanomaly
52, 52.767, 289.471

Deuteranomaly
52, 49.602, 286.014

Tritanomaly
52, 23.972, 276.240

Monochromacy



Original Color
52, 53.342, 296.405

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 19.780, 292.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 53.342, 296.405 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(114, 114, 206)` looks like.

```
.text, #text, p{  
    color:rgb(114, 114, 206)  
}
```

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(114, 114, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 114, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 53.342, 296.405 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(114, 114, 206) }
```

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

```
.border{ border-color:rgb(114, 114, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 114, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 114, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 114, 206);  
box-shadow:4px 4px 4px 4px rgb(114, 114,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 53.342, 296.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 114, 206) }
```

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

```
.background{ background-color: rgb(114,  
114, 206) }
```

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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