

Converting Colors

CIELCh(51, 53.851, 332.942)

Have a look what the booklet for
CIELCh(51, 53.851, 332.942)
contains.

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Color

CIELCh(51, 53.824, 332.845)

Conversions

Conversions Part 1

Format	Color
Hex	B457A4
RGB	180, 87, 164
RGB Percent	71%, 34%, 64%
CMY	0.2932, 0.6580, 0.3560
CMYK	0.00, 0.52, 0.09, 0.29
HSL	310°, 38%, 52%
HSV	310°, 52%, 71%
XYZ	29.0200, 19.2686, 37.4129
YIQ	123.5850, 30.7110, 43.6630

Conversions

Conversions Part 2

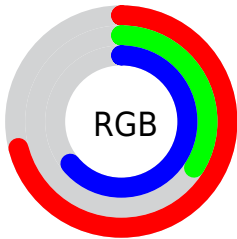
Format	Color
RYB	180, 87, 164
Decimal	11818916
CIELab	51.00, 47.89, -24.57
CIELCh	51, 53.824, 332.845
Yxy	19.2686, 0.3386, 0.2248
Android (android.graphics.Color)	4290008996 (0xFFB457A4)
YUV	123.5850, 19.9246, 49.4760
Hunter-Lab	43.8960, 41.1896, -19.8061

Details

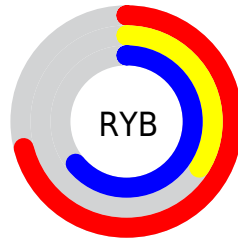
The CIELCh color $51, 53.824, 332.845$ is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be $66, 54.075, 145.028$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 53.982, 333.015$, and $31, 54.001, 332.906$ is the 20% darker color. If you saturate the color by 10%, you get $48, 62.346, 333.524$, and if you desaturate by 10%, it is $55, 44.179, 332.180$.

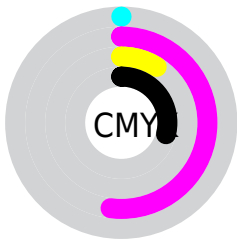
Distribution



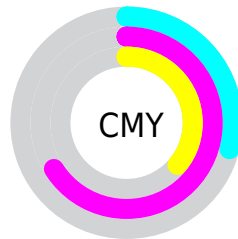
- Red (71%)
- Green (34%)
- Blue (64%)



- Red (71%)
- Yellow (34%)
- Blue (64%)



- Cyan (0%)
- Magenta (52%)
- Yellow (9%)
- Black (29%)





- Cyan (29%)
- Magenta (66%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 53.824, 332.845 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, 53.824, 332.845 by changing the saturation by 10% instead.


 51, 53.824,
332.845


 51, 53.824,
332.845


 100, 53.824,
332.845


 41, 53.824,
332.845


 71, 53.824,
332.845

 31, 53.824,
332.845

 81, 53.824,
332.845

 21, 53.824,
332.845

 91, 53.824,
332.845

 11, 53.824,
332.845

 1, 53.824, 332.845

 0, 53.824, 332.845

51, 53.824,
332.845

51, 53.824,
332.845

48, 62.346,
333.524

55, 44.179,
332.180

45, 69.286,
334.224

59, 33.845,
331.526

43, 74.228,
334.962

63, 23.167,
330.883

42, 76.948,
335.764

68, 12.397,
330.251


41, 77.895,
336.490

73, 1.710, 329.508

77, 8.782, 149.123

82, 19.016,
148.551

87, 28.958,
148.018

 92, 38.596,
147.514

Harmonies

Complementary

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



51, 53.824, 332.845



66, 54.075, 145.028

Rectangle

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



51, 53.824, 332.845



51, 53.824, 22.845



51, 53.824, 152.845



51, 53.824, 202.845

Sweetspot

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



51, 53.822, 332.845



84, 19.885, 330.481



43, 55.986, 301.966



43, 13.567, 330.612



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



51, 53.822, 332.845



61, 77.311, 333.624



49, 41.075, 0.462



35, 5.992, 330.105



35, 69.146, 336.365



2, 13.678, 332.192

Inverse Universe

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



51, 53.822, 332.845



61, 77.311, 333.624



67, 35.984, 168.087



35, 5.992, 330.105



35, 69.146, 336.365



2, 13.678, 332.192

Previews

White Background



This preview shows how the CIELCh color 51, 53.824, 332.845 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, 53.824, 332.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

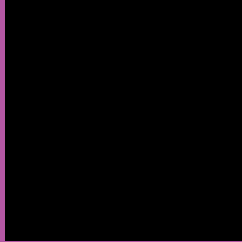
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 53.824, 332.845

Background



This preview shows how black text looks on a background with the CIELCh color 51, 53.824, 332.845.



This preview shows how white text looks on a background with the CIELCh color 51, 53.824, 332.845.

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, 53.824, 332.845

Protanopia

51, 40.949, 285.367

Deuteranopia

51, 22.761, 287.796



Tritanopia
51, 31.896, 15.550

Trichromacy



Original Color
51, 53.824, 332.845

Protanomaly
50, 43.241, 303.430

Deuteranomaly
50, 32.880, 312.812

Tritanomaly
51, 37.006, 354.259

Monochromacy



Original Color
51, 53.824, 332.845

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 20.756, 330.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 53.824, 332.845 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(180, 87, 164)` looks like.

```
.text, #text, p{  
    color:rgb(180, 87, 164)  
}
```

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(180, 87, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 87, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 53.824, 332.845 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(180, 87, 164) }
```

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

```
.border{ border-color:rgb(180, 87, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 87, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 87, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 87, 164);  
box-shadow:4px 4px 4px 4px rgb(180, 87,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 53.824, 332.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 87, 164) }
```

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

```
.background{ background-color: rgb(180, 87,  
164) }
```

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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