

Converting Colors

CIELCh(53, 24.750, 358.131)

Have a look what the booklet for
CIELCh(53, 24.750, 358.131)
contains.

CIELCh(53, 24.480, 357.730)	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(53, 24.480, 357.730)

Conversions

Conversions Part 1

Format	Color
Hex	A66F81
RGB	166, 111, 129
RGB Percent	65%, 44%, 51%
CMY	0.3492, 0.5648, 0.4943
CMYK	0.00, 0.33, 0.22, 0.35
HSL	340°, 24%, 54%
HSV	340°, 33%, 65%
XYZ	25.3565, 21.0462, 23.4806
YIQ	129.4970, 27.0020, 17.2580

Conversions

Conversions Part 2

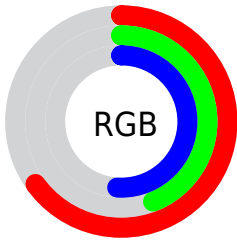
Format	Color
R_{YB}	166, 111, 129
Decimal	10907521
CIE _{Lab}	53.00, 24.46, -0.97
CIE _{LCh}	53, 24.480, 357.730
Yxy	21.0462, 0.3628, 0.3012
Android (android.graphics.Color)	4289097601 (0xFFA66F81)
YUV	129.4970, -0.2450, 32.0131
Hunter-Lab	45.8761, 18.3765, 1.7671

Details

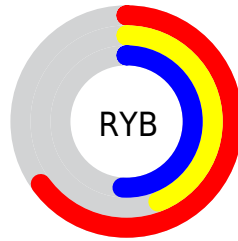
The CIELCh color $53, 24.480, 357.730$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $64, 22.434, 170.841$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 24.644, 357.283$, and $33, 24.726, 357.539$ is the 20% darker color. If you saturate the color by 10%, you get $49, 32.079, 359.277$, and if you desaturate by 10%, it is $57, 16.874, 356.431$.

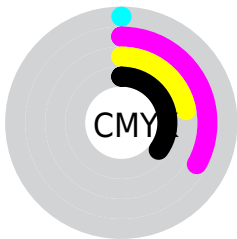
Distribution



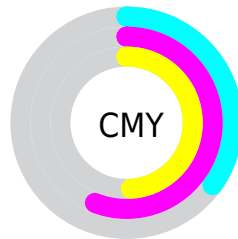
- Red (65%)
- Green (44%)
- Blue (51%)



- Red (65%)
- Yellow (44%)
- Blue (51%)



- Cyan (0%)
- Magenta (33%)
- Yellow (22%)
- Black (35%)





- Cyan (35%)
- Magenta (56%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 24.480, 357.730 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 53, 24.480, 357.730 by changing the saturation by 10% instead.


 53, 24.480,
357.730


 53, 24.480,
357.730


 100, 24.480,
357.730


 43, 24.480,
357.730


 73, 24.480,
357.730

 33, 24.480,
357.730

 83, 24.480,
357.730

 23, 24.480,
357.730

 93, 24.480,
357.730

 13, 24.480,
357.730

 3, 24.480, 357.730

 0, 24.480, 357.730

53, 24.480,
357.730

53, 24.480,
357.730

49, 32.079,
359.277

57, 16.874,
356.431

45, 39.447, 1.152

62, 9.422, 355.303

42, 46.274, 3.477

67, 2.210, 354.196

39, 52.216, 6.404

71, 4.719, 173.613

37, 56.993, 10.100

76, 11.350,
172.799

35, 60.543, 14.691

81, 17.688,
172.097

35, 62.680, 18.114

86, 23.747,
171.465

91, 29.548,
170.888

■ 94, 32.368,
173.316

Harmonies

Complementary

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



53, 24.480, 357.730



64, 22.434, 170.841

Rectangle

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



53, 24.480, 357.730



53, 24.480, 47.730



53, 24.480, 177.730



53, 24.480, 227.730

Sweetspot

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



53, 24.478, 357.732



81, 8.865, 354.992



52, 34.548, 316.069



42, 6.112, 355.134



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



53, 24.478, 357.732



64, 36.932, 358.881



55, 20.572, 36.036



33, 4.076, 354.899



31, 57.459, 17.524



2, 7.136, 357.241

Inverse Universe

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



53, 24.478, 357.732



64, 36.932, 358.881



62, 16.305, 216.667



33, 4.076, 354.899



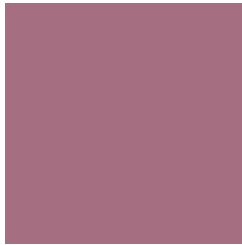
31, 57.459, 17.524



2, 7.136, 357.241

Previews

White Background



This preview shows how the CIELCh color 53, 24.480, 357.730 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 53, 24.480, 357.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

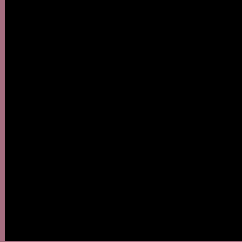
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 24.480, 357.730

Background



This preview shows how black text looks on a background with the CIELCh color 53, 24.480, 357.730.



This preview shows how white text looks on a background with the CIELCh color 53, 24.480, 357.730.

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

53, 24.480, 357.730

Protanopia

53, 6.946, 291.043

Deuteranopia

53, 6.864, 0.539



Tritanopia
53, 22.580, 9.110

Trichromacy



Original Color
53, 24.480, 357.730

Protanomaly
53, 11.340, 335.213

Deuteranomaly
53, 13.214, 357.937

Tritanomaly
53, 22.826, 4.848

Monochromacy



Original Color
53, 24.480, 357.730

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 9.013, 353.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 24.480, 357.730 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(166, 111, 129)` looks like.

```
.text, #text, p{  
    color:rgb(166, 111, 129)  
}
```

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(166, 111, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 111, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 24.480, 357.730 is called "border". The border property can be set on classes, ids or directly on the HTML element.

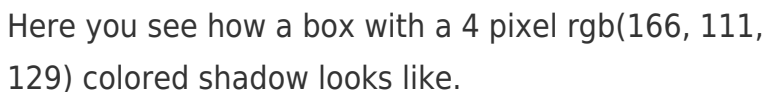
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 111, 129) }
```

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

```
.border{ border-color:rgb(166, 111, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 111, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 111, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 111, 129); box-shadow:4px 4px 4px 4px rgb(166, 111, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 24.480, 357.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 111, 129) }
```

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

```
.background{ background-color: rgb(166,  
111, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor