

Converting Colors

CIELCh(41, 51.606, 356.726)

Have a look what the booklet for
CIELCh(41, 51.606, 356.726)
contains.

CIELCh(41, 51.238, 356.776)	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(41, 51.238, 356.776)

Conversions

Conversions Part 1

Format	Color
Hex	A83567
RGB	168, 53, 103
RGB Percent	66%, 21%, 40%
CMY	0.3409, 0.7919, 0.5959
CMYK	0.00, 0.68, 0.39, 0.34
HSL	334°, 52%, 43%
HSV	334°, 68%, 66%
XYZ	19.8895, 11.8645, 14.0885
YIQ	93.0850, 52.4900, 39.9300

Conversions

Conversions Part 2

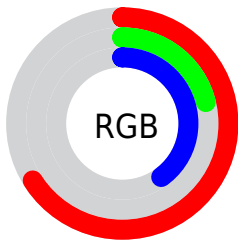
Format	Color
R_{YB}	168, 53, 103
Decimal	11023719
CIE _{Lab}	41.00, 51.16, -2.88
CIE _{LCh}	41, 51.238, 356.776
Yxy	11.8645, 0.4339, 0.2588
Android (android.graphics.Color)	4289213799 (0xFFA83567)
YUV	93.0850, 4.8881, 65.7005
Hunter-Lab	34.4449, 42.7926, -0.1390

Details

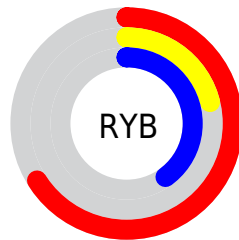
The CIELCh color **41, 51.238, 356.776** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **62, 47.022, 159.198**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 51.597, 356.706**, and **23, 46.155, 359.486** is the 20% darker color. If you saturate the color by 10%, you get **39, 56.126, 359.525**, and if you desaturate by 10%, it is **44, 45.031, 354.589**.

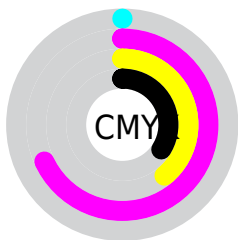
Distribution



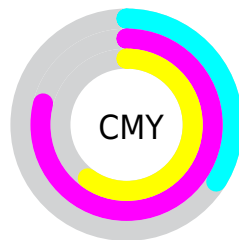
- Red (66%)
- Green (21%)
- Blue (40%)



- Red (66%)
- Yellow (21%)
- Blue (40%)



- Cyan (0%)
- Magenta (68%)
- Yellow (39%)
- Black (34%)





- Cyan (34%)
- Magenta (79%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 51.238, 356.776 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 41, 51.238, 356.776 by changing the saturation by 10% instead.


 41, 51.238,
356.776


 41, 51.238,
356.776


 100, 51.238,
356.776


 31, 51.238,
356.776

 61, 51.238,
356.776


 21, 51.238,
356.776

 71, 51.238,
356.776

 11, 51.238,
356.776

 81, 51.238,
356.776

 1, 51.238, 356.776

 91, 51.238,
356.776

 0, 51.238, 356.776

 41, 51.238,

 41, 51.238,

356.776

356.776

39, 56.126,
359.525

44, 45.031,
354.589

37, 59.463, 3.002

48, 37.891,
352.813

36, 61.479, 7.239

52, 30.193,
351.339

36, 61.800, 7.916

56, 22.250,
350.083

60, 14.285,
348.989

65, 6.446, 347.999

70, 1.182, 167.521

74, 8.552, 166.471

79, 15.651,

Harmonies

Complementary

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



41, 51.238, 356.776



62, 47.022, 159.198

Rectangle

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



41, 51.238, 356.776



41, 51.238, 46.776



41, 51.238, 176.776



41, 51.238, 226.776

Sweetspot

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



41, 51.235, 356.777



75, 20.286, 349.299



36, 70.378, 313.777



38, 13.745, 349.584



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



41, 51.235, 356.777



49, 70.749, 1.190



41, 52.480, 32.017



33, 4.341, 348.083



31, 56.249, 7.349



2, 7.524, 351.031

Inverse Universe

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



41, 51.235, 356.777



49, 70.749, 1.190



61, 30.678, 202.982



33, 4.341, 348.083



31, 56.249, 7.349



2, 7.524, 351.031

Previews

White Background



This preview shows how the CIELCh color 41, 51.238, 356.776 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 41, 51.238, 356.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

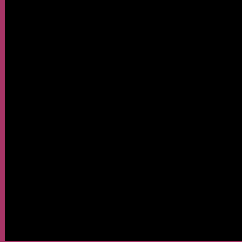
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 51.238, 356.776

Background



This preview shows how black text looks on a background with the CIELCh color 41, 51.238, 356.776.



This preview shows how white text looks on a background with the CIELCh color 41, 51.238, 356.776.

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

41, 51.238, 356.776

Protanopia

41, 21.311, 285.714

Deuteranopia

41, 5.804, 1.983



Tritanopia
41, 47.301, 25.177

Trichromacy



Original Color
41, 51.238, 356.776

Protanomaly
39, 28.717, 323.340

Deuteranomaly
40, 24.123, 353.497

Tritanomaly
41, 47.124, 14.740

Monochromacy



Original Color
41, 51.238, 356.776

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 21.060, 349.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 51.238, 356.776 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(168, 53, 103)` looks like.

```
.text, #text, p{  
    color:rgb(168, 53, 103)  
}
```

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(168, 53, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 53, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 51.238, 356.776 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(168, 53, 103) }
```

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

```
.border{ border-color:rgb(168, 53, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 53, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 53, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 53, 103);  
box-shadow:4px 4px 4px 4px rgb(168, 53,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 51.238, 356.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 53, 103) }
```

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

```
.background{ background-color: rgb(168, 53,  
103) }
```

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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