

Converting Colors

CIELCh(41, 68.236, 332.333)

Have a look what the booklet for
CIELCh(41, 68.236, 332.333)
contains.

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Color

CIELCh(41, 68.521, 332.279)

Conversions

Conversions Part 1

Format	Color
Hex	A52A96
RGB	165, 42, 150
RGB Percent	65%, 16%, 59%
CMY	0.3528, 0.8351, 0.4116
CMYK	0.00, 0.75, 0.09, 0.35
HSL	307°, 59%, 41%
HSV	307°, 75%, 65%
XYZ	21.8608, 11.8645, 30.0053
YIQ	91.0890, 38.6400, 59.6640

Conversions

Conversions Part 2

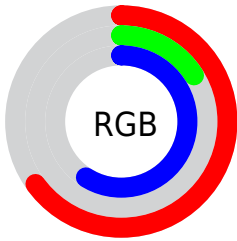
Format	Color
R_{YB}	165, 42, 150
Decimal	10824342
CIE _{Lab}	41.00, 60.66, -31.87
CIE _{LCh}	41, 68.521, 332.279
Yxy	11.8645, 0.3430, 0.1862
Android (android.graphics.Color)	4289014422 (0xFFA52A96)
YUV	91.0890, 29.0431, 64.8199
Hunter-Lab	34.4449, 53.0079, -27.5366

Details

The CIELCh color $41, 68.521, 332.279$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $60, 71.037, 140.526$, and the grayscale version is $39, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 68.805, 332.146$, and $24, 57.703, 332.051$ is the 20% darker color. If you saturate the color by 10%, you get $39, 72.855, 332.836$, and if you desaturate by 10%, it is $43, 62.249, 331.718$.

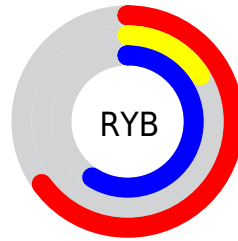
Distribution



Red (65%)

Green (16%)

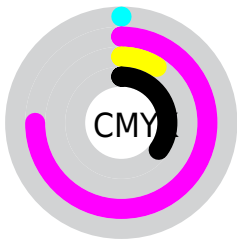
Blue (59%)



Red (65%)

Yellow (16%)

Blue (59%)

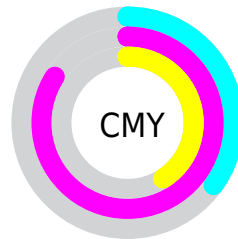


Cyan (0%)

Magenta (75%)

Yellow (9%)

Black (35%)



Cyan (35%)


Magenta (84%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 68.521, 332.279 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, 68.521, 332.279 by changing the saturation by 10% instead.


 41, 68.521,
332.279


 41, 68.521,
332.279


 100, 68.521,
332.279


 31, 68.521,
332.279

 61, 68.521,
332.279


 21, 68.521,
332.279

 71, 68.521,
332.279

 11, 68.521,
332.279

 81, 68.521,
332.279

 1, 68.521, 332.279

 91, 68.521,
332.279

 0, 68.521, 332.279

 41, 68.521,

 41, 68.521,

332.279

■ 39, 72.855,
332.836

■ 38, 75.126,
333.403

■ 38, 75.897,
333.718

332.279

■ 43, 62.249,
331.718

■ 46, 54.386,
331.146

■ 49, 45.352,
330.560

■ 53, 35.556,
329.966

■ 57, 25.342,
329.368

■ 61, 14.974,
328.771

■ 66, 4.637, 328.154

■ 70, 5.545, 147.689

■ 75, 15.498,
147.117

Harmonies

Complementary

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



41, 68.521, 332.279



60, 71.037, 140.526

Rectangle

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



41, 68.521, 332.279



41, 68.521, 22.279



41, 68.521, 152.279



41, 68.521, 202.279

Sweetspot

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



41, 68.519, 332.279



74, 28.108, 329.241



27, 76.971, 304.178



37, 18.854, 329.393



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



41, 68.519, 332.279



50, 90.437, 333.180



39, 53.018, 2.356



32, 5.763, 328.454



33, 69.214, 333.653



1, 8.707, 329.041

Inverse Universe

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



41, 68.519, 332.279



50, 90.437, 333.180



61, 46.958, 161.239



32, 5.763, 328.454



33, 69.214, 333.653



1, 8.707, 329.041

Previews

White Background



This preview shows how the CIELCh color 41, 68.521, 332.279 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 CIELCh color 41, 68.521, 332.279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

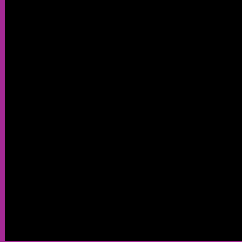
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 68.521, 332.279

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.521, 332.279.



This preview shows how white text looks on a background with the CIELCh color 41, 68.521, 332.279.

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, 68.521, 332.279

Protanopia

42, 61.723, 287.459

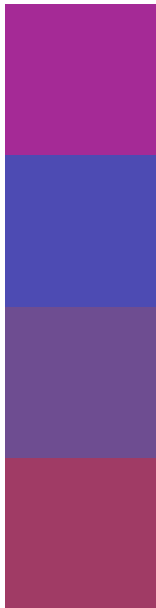
Deuteranopia

41, 27.595, 281.963



Tritanopia
41, 40.229, 22.982

Trichromacy



Original Color
41, 68.521, 332.279

Protanomaly
38, 63.468, 299.462

Deuteranomaly
39, 42.982, 310.914

Tritanomaly
40, 45.929, 356.849

Monochromacy



Original Color
41, 68.521, 332.279

Achromatopsia
39, 0.005, 296.813

Achromatomaly
37, 29.560, 330.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.521, 332.279 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(165, 42, 150)` looks like.

```
.text, #text, p{  
    color:rgb(165, 42, 150)  
}
```

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(165, 42, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 42, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.521, 332.279 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(165, 42, 150) }
```

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

```
.border{ border-color:rgb(165, 42, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 42, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 42, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 42, 150);  
box-shadow:4px 4px 4px 4px rgb(165, 42,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.521, 332.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 42, 150) }
```

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

```
.background{ background-color: rgb(165, 42,  
150) }
```

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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