

Converting Colors

CIELCh(45, 42.838, 355.931)

Have a look what the booklet for
CIELCh(45, 42.838, 355.931)
contains.

CIELCh(45, 42.473, 355.797)	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(45, 42.473, 355.797)

Conversions

Conversions Part 1

Format	Color
Hex	A84B71
RGB	168, 75, 113
RGB Percent	66%, 29%, 44%
CMY	0.3413, 0.7060, 0.5570
CMYK	0.00, 0.55, 0.33, 0.34
HSL	335°, 38%, 48%
HSV	335°, 55%, 66%
XYZ	21.6354, 14.5417, 17.2814
YIQ	107.1390, 43.2300, 31.5340

Conversions

Conversions Part 2

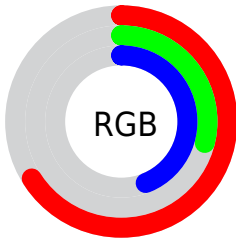
Format	Color
R_{YB}	168, 75, 113
Decimal	11029361
CIE _{Lab}	45.00, 42.36, -3.11
CIE _{LCh}	45, 42.473, 355.797
Yxy	14.5417, 0.4047, 0.2720
Android (android.graphics.Color)	4289219441 (0xFFA84B71)
YUV	107.1390, 2.8895, 53.3751
Hunter-Lab	38.1336, 34.5397, -0.1755

Details

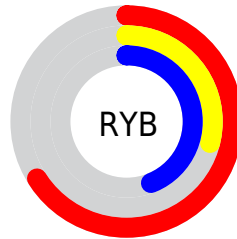
The CIELCh color **45, 42.473, 355.797** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **63, 38.575, 162.799**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 42.766, 355.607**, and **25, 42.614, 356.141** is the 20% darker color. If you saturate the color by 10%, you get **42, 49.023, 357.951**, and if you desaturate by 10%, it is **49, 35.144, 354.049**.

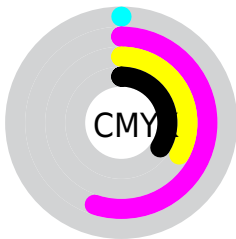
Distribution



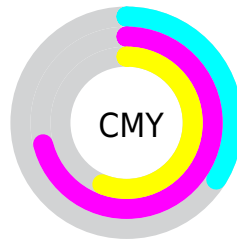
- Red (66%)
- Green (29%)
- Blue (44%)



- Red (66%)
- Yellow (29%)
- Blue (44%)



- Cyan (0%)
- Magenta (55%)
- Yellow (33%)
- Black (34%)




- Cyan (34%)
- Magenta (71%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 42.473, 355.797 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 45, 42.473, 355.797 by changing the saturation by 10% instead.


 45, 42.473,
355.797


 45, 42.473,
355.797


 100, 42.473,
355.797


 35, 42.473,
355.797

 65, 42.473,
355.797


 25, 42.473,
355.797

 75, 42.473,
355.797

 15, 42.473,
355.797

 85, 42.473,
355.797

 5, 42.473, 355.797

 95, 42.473,
355.797

 0, 42.473, 355.797

 45, 42.473,

 45, 42.473,

355.797

355.797

42, 49.023,
357.951

49, 35.144,
354.049

39, 54.424, 0.649

53, 27.399,
352.593

37, 58.385, 4.064

57, 19.513,
351.352

36, 60.889, 8.334

35, 61.916, 10.433

62, 11.678,
350.267

66, 4.017, 349.260

71, 3.404, 168.624

76, 10.554,
167.785

81, 17.426,
167.077

■ 86, 24.025,
166.435

Harmonies

Complementary

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



45, 42.473, 355.797



63, 38.575, 162.799

Rectangle

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



45, 42.473, 355.797



45, 42.473, 45.797



45, 42.473, 175.797



45, 42.473, 225.797

Sweetspot

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



45, 42.470, 355.798



78, 16.097, 350.469



42, 57.739, 314.361



40, 10.777, 350.670



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



45, 42.470, 355.798



54, 61.141, 358.404



46, 40.108, 31.323



33, 4.271, 349.658



31, 56.349, 9.842



2, 7.422, 352.478

Inverse Universe

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



45, 42.470, 355.798



54, 61.141, 358.404



61, 26.191, 206.927



33, 4.271, 349.658



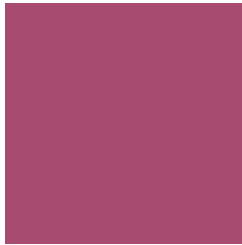
31, 56.349, 9.842



2, 7.422, 352.478

Previews

White Background



This preview shows how the CIELCh color 45, 42.473, 355.797 looks on a white background.

Color Contrast Check

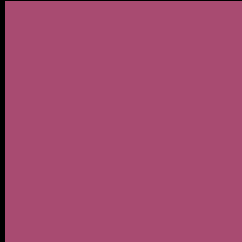
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 42.473, 355.797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

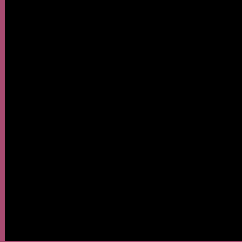
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 42.473, 355.797

Background



This preview shows how black text looks on a background with the CIELCh color 45, 42.473, 355.797.



This preview shows how white text looks on a background with the CIELCh color 45, 42.473, 355.797.

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

45, 42.473, 355.797

Protanopia

45, 16.157, 285.914

Deuteranopia

45, 5.901, 356.387



Tritanopia
45, 38.347, 20.273

Trichromacy



Original Color
45, 42.473, 355.797

Protanomaly
44, 21.954, 324.811

Deuteranomaly
45, 20.432, 352.887

Tritanomaly
45, 39.108, 10.594

Monochromacy



Original Color
45, 42.473, 355.797

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 16.377, 351.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 42.473, 355.797 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, 75, 113)` looks like.

```
.text, #text, p{  
    color:rgb(168, 75, 113)  
}
```

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, 75, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 75, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 42.473, 355.797 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, 75, 113) }
```

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

```
.border{ border-color:rgb(168, 75, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 75, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 75, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 75, 113);  
box-shadow:4px 4px 4px 4px rgb(168, 75,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 42.473, 355.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 75, 113) }
```

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

```
.background{ background-color: rgb(168, 75,  
113) }
```

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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