

Converting Colors

CIELCh(45, 61.415, 357.009)

Have a look what the booklet for
CIELCh(45, 61.415, 357.009)
contains.

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Color

CIELCh(45, 61.654, 357.047)

Conversions

Conversions Part 1

Format	Color
Hex	C12F72
RGB	193, 47, 114
RGB Percent	76%, 18%, 45%
CMY	0.2439, 0.8164, 0.5535
CMYK	0.00, 0.76, 0.41, 0.24
HSL	332°, 61%, 47%
HSV	332°, 76%, 76%
XYZ	25.9828, 14.5417, 17.3117
YIQ	98.2920, 65.5090, 51.7890

Conversions

Conversions Part 2

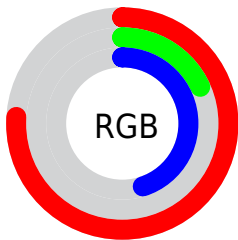
Format	Color
R_{YB}	193, 47, 114
Decimal	12660594
CIE _{Lab}	45.00, 61.57, -3.18
CIE _{LCh}	45, 61.654, 357.047
Yxy	14.5417, 0.4492, 0.2514
Android (android.graphics.Color)	4290850674 (0xFFC12F72)
YUV	98.2920, 7.7440, 83.0589
Hunter-Lab	38.1336, 54.8892, -0.2227

Details

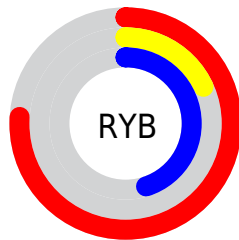
The CIELCh color **45, 61.654, 357.047** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **70, 57.967, 156.370**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.972, 356.929**, and **28, 52.600, 1.454** is the 20% darker color. If you saturate the color by 10%, you get **43, 65.587, 0.226**, and if you desaturate by 10%, it is **48, 55.926, 354.538**.

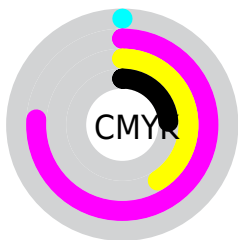
Distribution



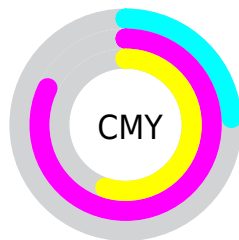
- Red (76%)
- Green (18%)
- Blue (45%)



- Red (76%)
- Yellow (18%)
- Blue (45%)



- Cyan (0%)
- Magenta (76%)
- Yellow (41%)
- Black (24%)





- Cyan (24%)
- Magenta (82%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 61.654, 357.047 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, 61.654, 357.047 by changing the saturation by 10% instead.


 45, 61.654,
357.047


 45, 61.654,
357.047


 100, 61.654,
357.047


 35, 61.654,
357.047

 65, 61.654,
357.047


 25, 61.654,
357.047

 75, 61.654,
357.047

 15, 61.654,
357.047

 85, 61.654,
357.047

 5, 61.654, 357.047

 95, 61.654,
357.047

 0, 61.654, 357.047

 45, 61.654,

 45, 61.654,

357.047

357.047

■ 43, 65.587, 0.226

■ 48, 55.926,
354.538

■ 42, 67.718, 4.226

■ 51, 48.746,
352.530

■ 41, 68.416, 6.076

■ 55, 40.561,
350.888

■ 60, 31.798,
349.511

■ 65, 22.798,
348.327

■ 70, 13.801,
347.284

■ 75, 4.960, 346.314

■ 80, 3.635, 165.684

■ 86, 11.941,
164.855

Harmonies

Complementary

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



45, 61.654, 357.047



70, 57.967, 156.370

Rectangle

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



45, 61.654, 357.047



45, 61.654, 47.047



45, 61.654, 177.047



45, 61.654, 227.047

Sweetspot

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



45, 61.651, 357.048



84, 25.114, 348.069



38, 85.663, 313.436



42, 17.427, 348.470



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 61.651, 357.048



54, 81.660, 2.813



44, 66.308, 33.508



38, 4.956, 346.669



34, 59.776, 5.373



3, 15.498, 354.759

Inverse Universe

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



45, 61.651, 357.048



54, 81.660, 2.813



70, 36.386, 200.934



38, 4.956, 346.669



34, 59.776, 5.373



3, 15.498, 354.759

Previews

White Background



This preview shows how the CIELCh color 45, 61.654, 357.047 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, 61.654, 357.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

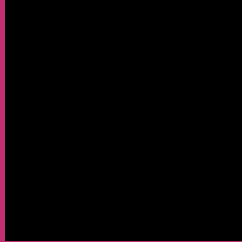
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 61.654, 357.047

Background



This preview shows how black text looks on a background with the CIELCh color 45, 61.654, 357.047.



This preview shows how white text looks on a background with the CIELCh color 45, 61.654, 357.047.

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, 61.654, 357.047

Protanopia

46, 26.940, 285.322

Deuteranopia

45, 6.102, 3.193



Tritanopia
45, 58.572, 28.100

Trichromacy



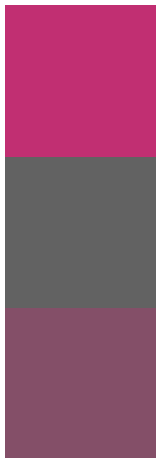
Original Color
45, 61.654, 357.047

Protanomaly
43, 35.938, 322.529

Deuteranomaly
43, 29.553, 352.862

Tritanomaly
45, 57.503, 16.581

Monochromacy



Original Color
45, 61.654, 357.047

Achromatopsia
42, 0.006, 296.813

Achromatomaly
40, 26.403, 349.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 61.654, 357.047 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(193, 47, 114)` looks like.

```
.text, #text, p{  
    color:rgb(193, 47, 114)  
}
```

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(193, 47, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 47, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 61.654, 357.047 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(193, 47, 114) }
```

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

```
.border{ border-color:rgb(193, 47, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 47, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 47, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 47, 114);  
box-shadow:4px 4px 4px 4px rgb(193, 47,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 61.654, 357.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 47, 114) }
```

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

```
.background{ background-color: rgb(193, 47,  
114) }
```

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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