

Converting Colors

CIELCh(45, 61.239, 2.176)

Have a look what the booklet for
CIELCh(45, 61.239, 2.176) contains.

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Color

CIELCh(45, 61.030, 2.138)

Conversions

Conversions Part 1

Format	Color
Hex	C22F69
RGB	194, 47, 105
RGB Percent	76%, 18%, 41%
CMY	0.2389, 0.8153, 0.5880
CMYK	0.00, 0.76, 0.46, 0.24
HSL	336°, 61%, 47%
HSV	336°, 76%, 76%
XYZ	25.8426, 14.5417, 14.8272
YIQ	97.5650, 68.9940, 49.2020

Conversions

Conversions Part 2

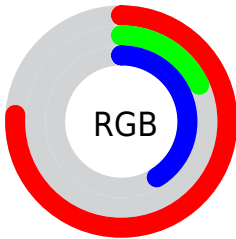
Format	Color
R_{YB}	194, 47, 105
Decimal	12726121
CIE _{Lab}	45.00, 60.99, 2.28
CIE _{LCh}	45, 61.030, 2.138
Yxy	14.5417, 0.4681, 0.2634
Android (android.graphics.Color)	4290916201 (0xFFC22F69)
YUV	97.5650, 3.6655, 84.5735
Hunter-Lab	38.1336, 54.2330, 3.6402

Details

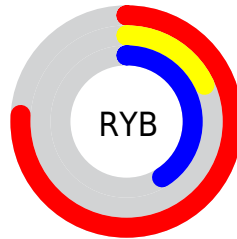
The CIELCh color **45, 61.030, 2.138** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **70, 54.615, 160.157**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.143, 2.082**, and **28, 52.635, 7.383** is the 20% darker color. If you saturate the color by 10%, you get **43, 65.377, 5.786**, and if you desaturate by 10%, it is **48, 55.061, 359.264**.

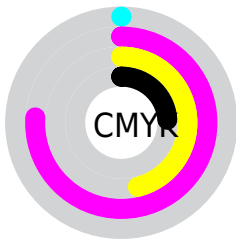
Distribution



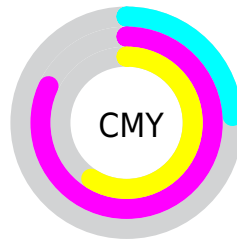
- Red (76%)
- Green (18%)
- Blue (41%)



- Red (76%)
- Yellow (18%)
- Blue (41%)



- Cyan (0%)
- Magenta (76%)
- Yellow (46%)
- Black (24%)



- Cyan (24%)
- Magenta (82%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 61.030, 2.138 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, 61.030, 2.138 by changing the saturation by 10% instead.


 45, 61.030, 2.138  45, 61.030, 2.138

 100, 61.030, 2.138  35, 61.030, 2.138



 65, 61.030, 2.138  25, 61.030, 2.138

 75, 61.030, 2.138  15, 61.030, 2.138

 85, 61.030, 2.138  5, 61.030, 2.138

 95, 61.030, 2.138  0, 61.030, 2.138

 45, 61.030, 2.138  45, 61.030, 2.138

 43, 65.377, 5.786  48, 55.061,
359.264

 42, 68.137, 10.339  51, 47.777,
356.982

 41, 69.162, 12.414

■ 56, 39.601,
355.141

■ 60, 30.940,
353.618

■ 65, 22.116,
352.330

■ 70, 13.353,
351.210

■ 75, 4.791, 350.181

■ 81, 3.493, 169.531

■ 86, 11.464,
168.667

Harmonies

Complementary

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



45, 61.030, 2.138



70, 54.615, 160.157

Rectangle

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



45, 61.030, 2.138



45, 61.030, 52.138



45, 61.030, 182.138



45, 61.030, 232.138

Sweetspot

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



45, 61.027, 2.139



84, 24.410, 352.051



40, 85.732, 315.297



43, 17.099, 352.488



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 61.027, 2.139



55, 82.116, 8.740



46, 64.477, 36.423



38, 4.760, 350.555



34, 60.026, 11.600



3, 15.066, 358.475

Inverse Universe

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



45, 61.027, 2.139



55, 82.116, 8.740



67, 34.276, 210.759



38, 4.760, 350.555



34, 60.026, 11.600



3, 15.066, 358.475

Previews

White Background



This preview shows how the CIELCh color 45, 61.030, 2.138 looks on a white background.

Color Contrast Check

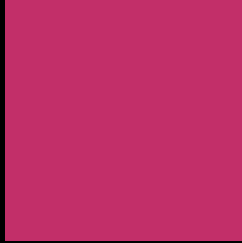
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.030, 2.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

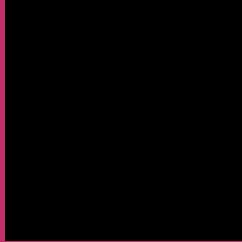
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 61.030, 2.138

Background



This preview shows how black text looks on a background with the CIELCh color 45, 61.030, 2.138.



This preview shows how white text looks on a background with the CIELCh color 45, 61.030, 2.138.

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, 61.030, 2.138

Protanopia

45, 20.339, 285.982

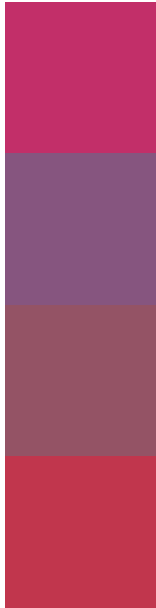
Deuteranopia

45, 8.162, 45.889



Tritanopia
45, 60.865, 28.791

Trichromacy



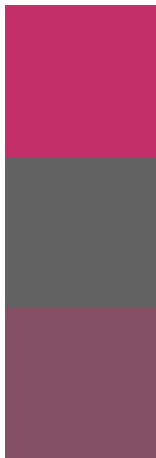
Original Color
45, 61.030, 2.138

Protanomaly
43, 31.284, 330.758

Deuteranomaly
43, 29.323, 2.976

Tritanomaly
45, 59.419, 19.205

Monochromacy



Original Color
45, 61.030, 2.138

Achromatopsia
42, 0.006, 296.813

Achromatomaly
40, 26.007, 353.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 61.030, 2.138 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(194, 47, 105)` looks like.

```
.text, #text, p{  
    color:rgb(194, 47, 105)  
}
```

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(194, 47, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 47, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 61.030, 2.138 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(194, 47, 105) }
```

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

```
.border{ border-color:rgb(194, 47, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 47, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 47, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 47, 105);  
box-shadow:4px 4px 4px 4px rgb(194, 47,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 61.030, 2.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 47, 105) }
```

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

```
.background{ background-color: rgb(194, 47,  
105) }
```

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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