

Converting Colors

CIELCh(45, 35.923, 0.175)

Have a look what the booklet for
CIELCh(45, 35.923, 0.175) contains.

CIELCh(45, 36.027, 0.601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 36.027, 0.601)

Conversions

Conversions Part 1

Format	Color
Hex	A1516B
RGB	161, 81, 107
RGB Percent	63%, 32%, 42%
CMY	0.3684, 0.6821, 0.5801
CMYK	0.00, 0.50, 0.34, 0.37
HSL	341°, 33%, 47%
HSV	341°, 50%, 63%
XYZ	20.3166, 14.5417, 15.6634
YIQ	107.8840, 39.3340, 25.0460

Conversions

Conversions Part 2

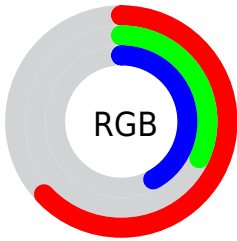
Format	Color
R_{YB}	161, 81, 107
Decimal	10572139
CIE _{Lab}	45.00, 36.03, 0.38
CIE _{LCh}	45, 36.027, 0.601
Yxy	14.5417, 0.4021, 0.2878
Android (android.graphics.Color)	4288762219 (0xFFA1516B)
YUV	107.8840, -0.4358, 46.5827
Hunter-Lab	38.1336, 28.3663, 2.3401

Details

The CIELCh color $45, 36.027, 0.601$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $61, 31.583, 168.981$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 35.758, 1.079$, and $25, 36.261, 0.650$ is the 20% darker color. If you saturate the color by 10%, you get $42, 42.919, 2.751$, and if you desaturate by 10%, it is $49, 28.721, 358.857$.

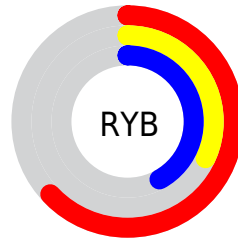
Distribution



Red (63%)

Green (32%)

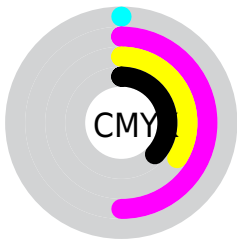
Blue (42%)



Red (63%)

Yellow (32%)

Blue (42%)

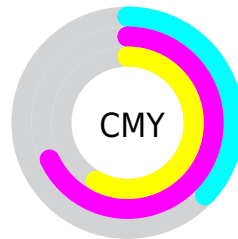


Cyan (0%)

Magenta (50%)

Yellow (34%)

Black (37%)



Cyan (37%)













Magenta (68%)








Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 36.027, 0.601 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, 36.027, 0.601 by changing the saturation by 10% instead.

 45, 36.027, 0.601	 45, 36.027, 0.601
 100, 36.027, 0.601	 35, 36.027, 0.601
 65, 36.027, 0.601	 25, 36.027, 0.601
 75, 36.027, 0.601	 15, 36.027, 0.601
 85, 36.027, 0.601	 5, 36.027, 0.601
 95, 36.027, 0.601	 0, 36.027, 0.601

 45, 36.027, 0.601	 45, 36.027, 0.601
 42, 42.919, 2.751	 49, 28.721, 358.857
 39, 49.077, 5.443	
 36, 54.190, 8.843	 53, 21.283, 357.409

35, 58.103, 13.100

57, 13.907,
356.177

34, 61.222, 18.023

62, 6.716, 355.093

34, 61.332, 18.182

66, 0.221, 176.037

71, 6.873, 173.469

76, 13.235,
172.706

80, 19.315,
172.032

85, 25.130,
171.421

Harmonies

Complementary

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



45, 36.027, 0.601



61, 31.583, 168.981

Rectangle

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



45, 36.027, 0.601



45, 36.027, 50.601



45, 36.027, 180.601



45, 36.027, 230.601

Sweetspot

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



45, 36.025, 0.603



75, 13.019, 355.688



44, 50.599, 316.730



38, 8.895, 355.904



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 36.025, 0.603



53, 53.258, 3.106



47, 32.138, 36.939



32, 3.969, 355.052



30, 56.761, 17.644



1, 5.972, 356.350

Inverse Universe

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



45, 36.025, 0.603



53, 53.258, 3.106



57, 22.123, 217.909



32, 3.969, 355.052



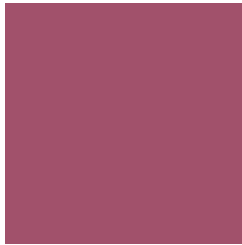
30, 56.761, 17.644



1, 5.972, 356.350

Previews

White Background



This preview shows how the CIELCh color 45, 36.027, 0.601 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 45, 36.027, 0.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

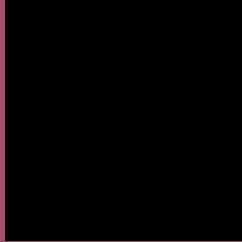
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.027, 0.601

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.027, 0.601.



This preview shows how white text looks on a background with the CIELCh color 45, 36.027, 0.601.

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, 36.027, 0.601

Protanopia

45, 9.564, 286.902

Deuteranopia

45, 6.761, 20.202



Tritanopia
45, 33.737, 18.648

Trichromacy



Original Color
45, 36.027, 0.601

Protanomaly
45, 16.450, 335.194

Deuteranomaly
45, 17.354, 4.022

Tritanomaly
45, 33.940, 11.968

Monochromacy



Original Color
45, 36.027, 0.601

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 13.477, 355.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.027, 0.601 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(161, 81, 107)` looks like.

```
.text, #text, p{  
    color:rgb(161, 81, 107)  
}
```

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(161, 81, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 81, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.027, 0.601 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(161, 81, 107) }
```

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

```
.border{ border-color:rgb(161, 81, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 81, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 81, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 81, 107);  
box-shadow:4px 4px 4px 4px rgb(161, 81,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.027, 0.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 81, 107) }
```

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

```
.background{ background-color: rgb(161, 81,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor