

Converting Colors

CIELCh(45, 36.172, 5.049)

Have a look what the booklet for
CIELCh(45, 36.172, 5.049) contains.

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Color

CIELCh(45, 35.992, 4.597)

Conversions

Conversions Part 1

Format	Color
Hex	A25167
RGB	162, 81, 103
RGB Percent	64%, 32%, 40%
CMY	0.3648, 0.6824, 0.5961
CMYK	0.00, 0.50, 0.36, 0.36
HSL	344°, 33%, 48%
HSV	344°, 50%, 64%
XYZ	20.2863, 14.5417, 14.5660
YIQ	107.7270, 41.2140, 24.0140

Conversions

Conversions Part 2

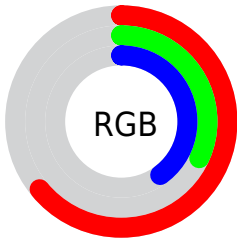
Format	Color
R_{YB}	162, 81, 103
Decimal	10637671
CIE _{Lab}	45.00, 35.88, 2.88
CIE _{LCh}	45, 35.992, 4.597
Yxy	14.5417, 0.4107, 0.2944
Android (android.graphics.Color)	4288827751 (0xFFA25167)
YUV	107.7270, -2.3304, 47.5974
Hunter-Lab	38.1336, 28.2244, 4.0463

Details

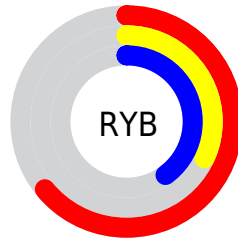
The CIELCh color $45, 35.992, 4.597$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $61, 30.528, 172.746$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 35.696, 4.783$, and $25, 35.937, 4.712$ is the 20% darker color. If you saturate the color by 10%, you get $42, 43.022, 6.897$, and if you desaturate by 10%, it is $49, 28.629, 2.748$.

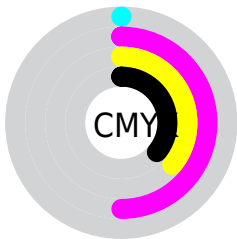
Distribution



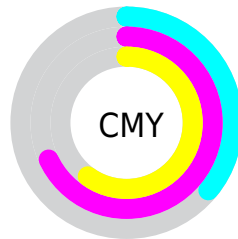
- Red (64%)
- Green (32%)
- Blue (40%)



- Red (64%)
- Yellow (32%)
- Blue (40%)



- Cyan (0%)
- Magenta (50%)
- Yellow (36%)
- Black (36%)



- Cyan (36%)
- Magenta (68%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 35.992, 4.597 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, 35.992, 4.597 by changing the saturation by 10% instead.

45, 35.992, 4.597 45, 35.992, 4.597

100, 35.992, 4.597 35, 35.992, 4.597

65, 35.992, 4.597 25, 35.992, 4.597

75, 35.992, 4.597 15, 35.992, 4.597

85, 35.992, 4.597 5, 35.992, 4.597

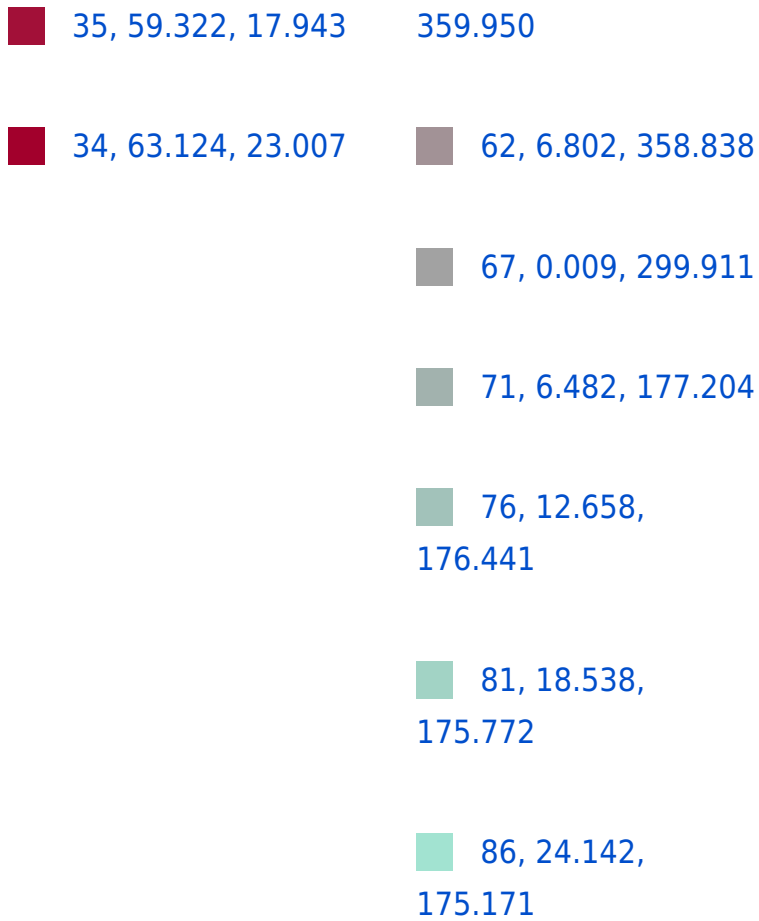
95, 35.992, 4.597 0, 35.992, 4.597

45, 35.992, 4.597 45, 35.992, 4.597

42, 43.022, 6.897 49, 28.629, 2.748

39, 49.417, 9.788 53, 21.201, 1.228

36, 54.893, 13.432 57, 13.887,



Harmonies

Complementary

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



45, 35.992, 4.597



61, 30.528, 172.746

Rectangle

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



45, 35.992, 4.597



45, 35.992, 54.597



45, 35.992, 184.597



45, 35.992, 234.597

Sweetspot

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



45, 35.990, 4.599



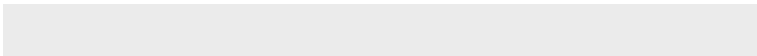
76, 12.826, 359.411



44, 51.486, 318.302



39, 8.857, 359.636



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 35.990, 4.599



54, 53.424, 7.194



48, 31.575, 41.277



32, 3.865, 358.761



30, 58.106, 22.432



1, 5.828, 359.806

Inverse Universe

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



45, 35.990, 4.599



54, 53.424, 7.194



57, 21.929, 225.262



32, 3.865, 358.761



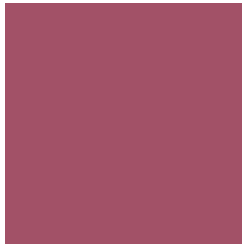
30, 58.106, 22.432



1, 5.828, 359.806

Previews

White Background



This preview shows how the CIELCh color 45, 35.992, 4.597 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, 35.992, 4.597 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, 35.992, 4.597

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.992, 4.597.



This preview shows how white text looks on a background with the CIELCh color 45, 35.992, 4.597.

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, 35.992, 4.597

Protanopia

45, 7.162, 291.183

Deuteranopia

45, 7.678, 38.151



Tritanopia
45, 34.671, 18.997

Trichromacy



Original Color
45, 35.992, 4.597

Protanomaly
44, 15.231, 342.808

Deuteranomaly
45, 17.464, 12.116

Tritanomaly
45, 34.842, 13.460

Monochromacy



Original Color
45, 35.992, 4.597

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 13.473, 0.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.992, 4.597 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(162, 81, 103)` looks like.

```
.text, #text, p{  
    color:rgb(162, 81, 103)  
}
```

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(162, 81, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 81, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.992, 4.597 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(162, 81, 103) }
```

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

```
.border{ border-color:rgb(162, 81, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 81, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 81, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 81, 103);  
box-shadow:4px 4px 4px 4px rgb(162, 81,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.992, 4.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 81, 103) }
```

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

```
.background{ background-color: rgb(162, 81,  
103) }
```

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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