

Converting Colors

CIELCh(40, 48.994, 337.514)

Have a look what the booklet for
CIELCh(40, 48.994, 337.514)
contains.

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Color

CIELCh(40, 48.994, 337.514)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 963D7E |
| RGB | 150, 61, 126 |
| RGB Percent | 59%, 24%, 49% |
| CMY | 0.4131, 0.7621, 0.5072 |
| CMYK | 0.00, 0.59, 0.16, 0.41 |
| HSL | 316°, 42%, 41% |
| HSV | 316°, 59%, 59% |
| XYZ | 17.9092, 11.2510, 20.8566 |
| YIQ | 95.0210, 32.1790, 39.0830 |

Conversions

Conversions Part 2

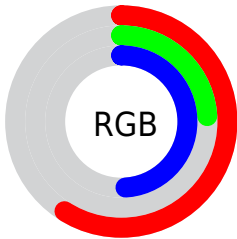
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 150, 61, 126 |
| Decimal | 9846142 |
| CIE _{Lab} | 40.00, 45.27, -18.74 |
| CIE _{LCh} | 40, 48.994, 337.514 |
| Yxy | 11.2510, 0.3581, 0.2249 |
| Android (android.graphics.Color) | 4288036222 (0xFF963D7E) |
| YUV | 95.0210, 15.2726, 48.2166 |
| Hunter-Lab | 33.5425, 36.6067, -13.3866 |

Details

The CIELCh color $40, 48.994, 337.514$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $55, 49.162, 147.338$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 49.084, 337.296$, and $20, 48.914, 337.304$ is the 20% darker color. If you saturate the color by 10%, you get $37, 55.029, 338.480$, and if you desaturate by 10%, it is $43, 41.788, 336.639$.

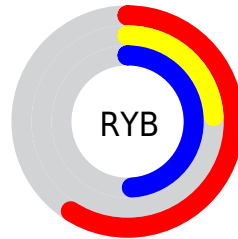
Distribution



Red (59%)

Green (24%)

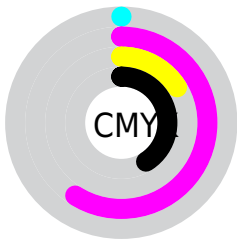
Blue (49%)



Red (59%)

Yellow (24%)

Blue (49%)

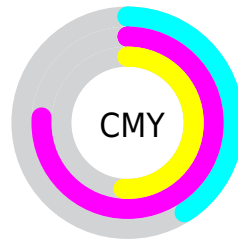


Cyan (0%)

Magenta (59%)

Yellow (16%)

Black (41%)



Cyan (41%)


Magenta (76%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 48.994, 337.514 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 40, 48.994, 337.514 by changing the saturation by 10% instead.


 40, 48.994,
337.514


 40, 48.994,
337.514


 100, 48.994,
337.514

 30, 48.994,
337.514

 60, 48.994,
337.514


 20, 48.994,
337.514

 70, 48.994,
337.514

 10, 48.994,
337.514

 80, 48.994,
337.514

 0, 48.994, 337.514

 90, 48.994,
337.514

 40, 48.994,

 40, 48.994,

337.514

337.514

37, 55.029,
338.480

43, 41.788,
336.639

35, 59.523,
339.574

46, 33.801,
335.830

34, 62.209,
340.849

50, 25.364,
335.070

33, 63.415,
342.307

54, 16.732,
334.350

33, 63.477,
342.386

58, 8.086, 333.657

62, 0.454, 153.633

66, 8.813, 152.470

71, 16.952,
151.880

75, 24.851,

Harmonies

Complementary

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



40, 48.994, 337.514



55, 49.162, 147.338

Rectangle

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



40, 48.994, 337.514



40, 48.994, 27.514



40, 48.994, 157.514



40, 48.994, 207.514

Sweetspot

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



40, 48.992, 337.514



69, 19.103, 334.273



33, 55.925, 305.457



35, 13.249, 334.461



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



40, 48.992, 337.514



48, 68.436, 338.788



38, 39.915, 9.598



29, 4.783, 333.638



30, 59.822, 342.251



1, 4.154, 333.077

Inverse Universe

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



40, 48.992, 337.514



48, 68.436, 338.788



56, 31.906, 174.525



29, 4.783, 333.638



30, 59.822, 342.251



1, 4.154, 333.077

Previews

White Background



This preview shows how the CIELCh color 40, 48.994, 337.514 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 40, 48.994, 337.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

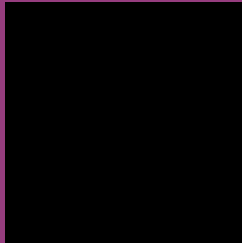
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 48.994, 337.514

Background



This preview shows how black text looks on a background with the CIELCh color 40, 48.994, 337.514.



This preview shows how white text looks on a background with the CIELCh color 40, 48.994, 337.514.

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





Tritanopia
40, 32.727, 19.714

Trichromacy



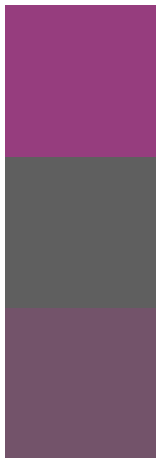
Original Color
40, 48.994, 337.514

Protanomaly
39, 38.051, 305.712

Deuteranomaly
39, 27.734, 318.871

Tritanomaly
40, 35.749, 0.584

Monochromacy



Original Color
40, 48.994, 337.514

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 19.157, 335.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 48.994, 337.514 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(150, 61, 126)` looks like.

```
.text, #text, p{  
    color:rgb(150, 61, 126)  
}
```

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(150, 61, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 61, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 48.994, 337.514 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(150, 61, 126) }
```

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

```
.border{ border-color:rgb(150, 61, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 61, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 61, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 61, 126);  
box-shadow:4px 4px 4px 4px rgb(150, 61,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 48.994, 337.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 61, 126) }
```

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

```
.background{ background-color: rgb(150, 61,  
126) }
```

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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