

Converting Colors

CIELCh(40, 57.087, 326.894)

Have a look what the booklet for
CIELCh(40, 57.087, 326.894)
contains.

CIELCh(40, 56.943, 326.984)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 56.943, 326.984)

Conversions

Conversions Part 1

Format	Color
Hex	913C92
RGB	145, 60, 146
RGB Percent	57%, 24%, 57%
CMY	0.4327, 0.7660, 0.4288
CMYK	0.01, 0.59, 0.00, 0.43
HSL	299°, 42%, 40%
HSV	299°, 59%, 57%
XYZ	18.3778, 11.2510, 28.2619
YIQ	95.2190, 23.0540, 44.7660

Conversions

Conversions Part 2

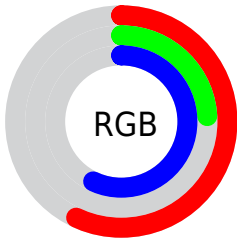
Format	Color
R _Y B	145, 60, 146
Decimal	9518226
CIE _{Lab}	40.00, 47.75, -31.03
CIE _{LCh}	40, 56.943, 326.984
Yxy	11.2510, 0.3175, 0.1943
Android (android.graphics.Color)	4287708306 (0xFF913C92)
YUV	95.2190, 25.0350, 43.6579
Hunter-Lab	33.5425, 39.1004, -26.4763

Details

The CIELCh color $[40, 56.943, 326.984]$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $[54, 57.396, 139.314]$, and the grayscale version is $[40, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 57.006, 327.093]$, and $[20, 56.185, 327.067]$ is the 20% darker color. If you saturate the color by 10%, you get $[38, 64.162, 327.311]$, and if you desaturate by 10%, it is $[43, 48.484, 326.585]$.

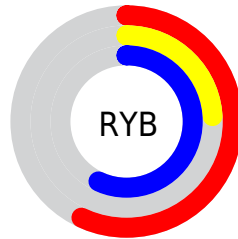
Distribution



Red (57%)

Green (24%)

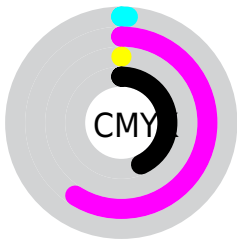
Blue (57%)



Red (57%)

Yellow (24%)

Blue (57%)

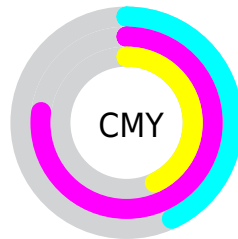


Cyan (1%)

Magenta (59%)

Yellow (0%)

Black (43%)



Cyan (43%)


Magenta (77%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 56.943, 326.984 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, 56.943, 326.984 by changing the saturation by 10% instead.


 40, 56.943,
326.984


 40, 56.943,
326.984


 100, 56.943,
326.984


 30, 56.943,
326.984

 60, 56.943,
326.984


 20, 56.943,
326.984

 70, 56.943,
326.984

 10, 56.943,
326.984

 80, 56.943,
326.984

 0, 56.943, 326.984

 90, 56.943,
326.984

 40, 56.943,

 40, 56.943,

326.984

■ 38, 64.162,
327.311

■ 36, 69.802,
327.551

■ 35, 73.635,
327.699

■ 34, 75.965,
327.770

■ 34, 76.179,
327.777

326.984

■ 43, 48.484,
326.585

■ 46, 39.165,
326.130

■ 49, 29.321,
325.636

■ 53, 19.227,
325.118

■ 57, 9.087, 324.581

■ 61, 0.957, 144.292

■ 65, 10.810,
143.588

■ 69, 20.418,
143.084

■ 73, 29.750,
142.607

Harmonies

Complementary

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



40, 56.943, 326.984



54, 57.396, 139.314

Rectangle

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



40, 56.943, 326.984



40, 56.943, 16.984



40, 56.943, 146.984



40, 56.943, 196.984

Sweetspot

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



40, 56.941, 326.984



68, 22.452, 325.082



30, 53.555, 298.483



34, 15.560, 325.221



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



40, 56.941, 326.984



48, 80.222, 327.403



38, 42.014, 349.159



29, 5.754, 324.591



32, 73.122, 327.779



1, 5.004, 324.127

Inverse Universe

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



37, 40.556, 26.019



44, 61.451, 29.868



54, 40.021, 156.442



29, 3.342, 18.940



28, 64.739, 38.466



1, 2.829, 18.426

Previews

White Background



This preview shows how the CIELCh color 40, 56.943, 326.984 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, 56.943, 326.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

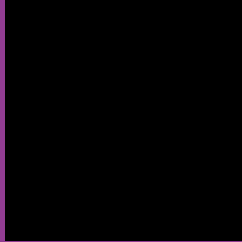
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 56.943, 326.984

Background



This preview shows how black text looks on a background with the CIELCh color 40, 56.943, 326.984.

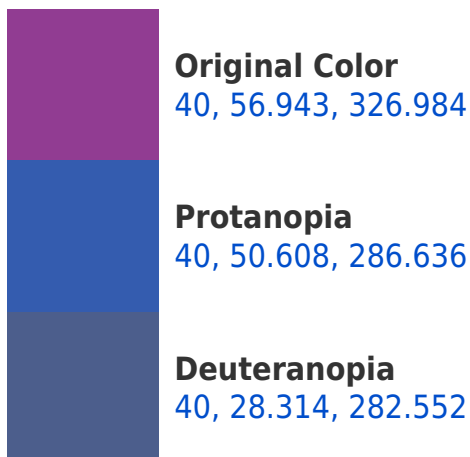


This preview shows how white text looks on a background with the CIELCh color 40, 56.943, 326.984.

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, 27.063, 16.239

Trichromacy



Original Color
40, 56.943, 326.984

Protanomaly
39, 51.382, 299.336

Deuteranomaly
39, 37.361, 305.302

Tritanomaly
40, 34.430, 348.250

Monochromacy



Original Color
40, 56.943, 326.984

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 22.584, 325.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 56.943, 326.984 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(145, 60, 146)` looks like.

```
.text, #text, p{  
    color:rgb(145, 60, 146)  
}
```

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(145, 60, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 60, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 56.943, 326.984 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(145, 60, 146) }
```

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

```
.border{ border-color:rgb(145, 60, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 60, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 60, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 60, 146);  
box-shadow:4px 4px 4px 4px rgb(145, 60,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 56.943, 326.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 60, 146) }
```

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

```
.background{ background-color: rgb(145, 60,  
146) }
```

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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