

Converting Colors

CIELCh(40, 52.498, 306.927)

Have a look what the booklet for
CIELCh(40, 52.498, 306.927)
contains.

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Color

CIELCh(40, 52.328, 306.908)

Conversions

Conversions Part 1

Format	Color
Hex	6B4EA3
RGB	107, 78, 163
RGB Percent	42%, 31%, 64%
CMY	0.5798, 0.6936, 0.3602
CMYK	0.34, 0.52, 0.00, 0.36
HSL	260°, 35%, 47%
HSV	260°, 52%, 64%
XYZ	15.4376, 11.2510, 36.0757
YIQ	96.3610, -10.0010, 32.5830

Conversions

Conversions Part 2

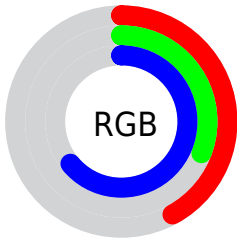
Format	Color
R_{YB}	107, 78, 163
Decimal	7032483
CIE _{Lab}	40.00, 31.42, -41.84
CIE _{LCh}	40, 52.328, 306.908
Yxy	11.2510, 0.2460, 0.1793
Android (android.graphics.Color)	4285222563 (0xFF6B4EA3)
YUV	96.3610, 32.8530, 9.3304
Hunter-Lab	33.5425, 23.4537, -40.2880

Details

The CIELCh color $40, 52.328, 306.908$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $63, 47.033, 120.648$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 51.988, 306.908$, and $20, 52.579, 306.973$ is the 20% darker color. If you saturate the color by 10%, you get $35, 62.769, 307.704$, and if you desaturate by 10%, it is $45, 41.800, 306.106$.

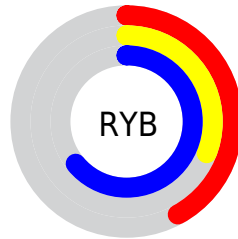
Distribution



Red (42%)

Green (31%)

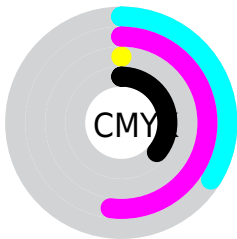
Blue (64%)



Red (42%)

Yellow (31%)

Blue (64%)

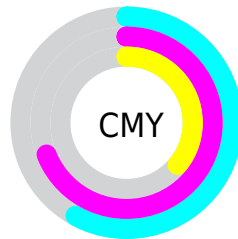


Cyan (34%)

Magenta (52%)

Yellow (0%)

Black (36%)



Cyan (58%)


Magenta (69%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 52.328, 306.908 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, 52.328, 306.908 by changing the saturation by 10% instead.


 40, 52.328,
306.908


 40, 52.328,
306.908


 100, 52.328,
306.908


 30, 52.328,
306.908

 60, 52.328,
306.908


 20, 52.328,
306.908

 70, 52.328,
306.908


 10, 52.328,
306.908

 80, 52.328,
306.908

 0, 52.328, 306.908

 90, 52.328,
306.908

 40, 52.328,

 40, 52.328,

306.908

■ 35, 62.769,
307.704

■ 31, 72.709,
308.414

■ 27, 81.474,
308.916

■ 24, 88.176,
309.054

■ 22, 92.181,
308.996

306.908

■ 45, 41.800,
306.106

■ 50, 31.416,
305.343

■ 55, 21.289,
304.641

■ 61, 11.469,
304.008

■ 66, 1.972, 303.426

■ 71, 7.207, 122.969

■ 76, 16.076,
122.536

■ 82, 24.652,
122.163

■ 87, 32.949,
121.840

Harmonies

Complementary

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



40, 52.328, 306.908



63, 47.033, 120.648

Rectangle

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



40, 52.328, 306.908



40, 52.328, 356.908



40, 52.328, 126.908



40, 52.328, 176.908

Sweetspot

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



40, 52.327, 306.908



74, 18.860, 304.265



54, 23.270, 243.318



38, 12.877, 304.388



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



40, 52.327, 306.908



45, 78.726, 307.860



45, 54.714, 321.995



32, 5.334, 303.840



19, 84.597, 309.092



1, 8.146, 302.143

Inverse Universe

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



46, 44.822, 340.303



54, 64.614, 341.665



61, 53.937, 136.638



32, 4.931, 336.614



32, 59.446, 347.537



1, 7.305, 338.579

Previews

White Background



This preview shows how the CIELCh color 40, 52.328, 306.908 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, 52.328, 306.908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

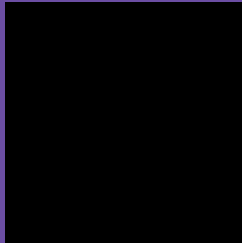
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 52.328, 306.908

Background



This preview shows how black text looks on a background with the CIELCh color 40, 52.328, 306.908.




This preview shows how white text looks on a background with the CIELCh color 40, 52.328, 306.908.

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, 4.269, 290.838

Trichromacy



Original Color
40, 52.328, 306.908

Protanomaly
40, 51.644, 292.581

Deuteranomaly
40, 43.914, 289.646

Tritanomaly
40, 22.474, 303.856

Monochromacy



Original Color
40, 52.328, 306.908

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 18.772, 304.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 52.328, 306.908 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(107, 78, 163)` looks like.

```
.text, #text, p{  
    color:rgb(107, 78, 163)  
}
```

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(107, 78, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 78, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 52.328, 306.908 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(107, 78, 163) }
```

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

```
.border{ border-color:rgb(107, 78, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 78, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 78, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 78, 163);  
box-shadow:4px 4px 4px 4px rgb(107, 78,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 52.328, 306.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 78, 163) }
```

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

```
.background{ background-color: rgb(107, 78,  
163) }
```

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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