

Converting Colors

CIELCh(47, 32.440, 291.777)

Have a look what the booklet for
CIELCh(47, 32.440, 291.777)
contains.

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Color

CIELCh(47, 32.559, 292.144)

Conversions

Conversions Part 1

Format	Color
Hex	676BA2
RGB	103, 107, 162
RGB Percent	40%, 42%, 64%
CMY	0.5959, 0.5802, 0.3645
CMYK	0.36, 0.34, 0.00, 0.36
HSL	236°, 24%, 52%
HSV	236°, 36%, 64%
XYZ	17.3851, 16.0195, 36.3775
YIQ	112.0740, -20.0390, 16.2570

Conversions

Conversions Part 2

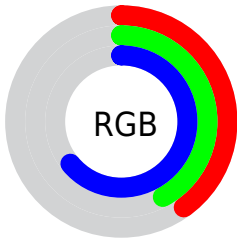
Format	Color
R_{YB}	103, 107, 162
Decimal	6777762
CIE _{Lab}	47.00, 12.27, -30.16
CIE _{LCh}	47, 32.559, 292.144
Yxy	16.0195, 0.2491, 0.2296
Android (android.graphics.Color)	4284967842 (0xFF676BA2)
YUV	112.0740, 24.6135, -7.9579
Hunter-Lab	40.0243, 7.4914, -25.8708

Details

The CIELCh color $47, 32.559, 292.144$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 30.136, 103.632$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 32.637, 292.324$, and $27, 32.492, 291.870$ is the 20% darker color. If you saturate the color by 10%, you get $42, 42.341, 294.011$, and if you desaturate by 10%, it is $52, 23.157, 290.534$.

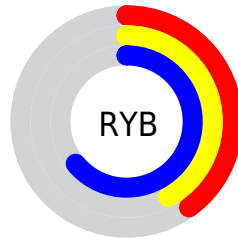
Distribution



Red (40%)

Green (42%)

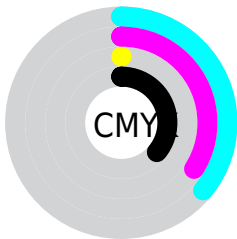
Blue (64%)



Red (40%)

Yellow (42%)

Blue (64%)

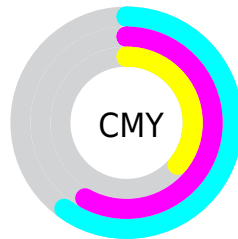


Cyan (36%)

Magenta (34%)

Yellow (0%)

Black (36%)



Cyan (60%)


Magenta (58%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 32.559, 292.144 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 47, 32.559, 292.144 by changing the saturation by 10% instead.


 47, 32.559,
292.144


 47, 32.559,
292.144


 100, 32.559,
292.144


 37, 32.559,
292.144

 67, 32.559,
292.144


 27, 32.559,
292.144

 77, 32.559,
292.144

 17, 32.559,
292.144

 87, 32.559,
292.144

 7, 32.559, 292.144

 97, 32.559,
292.144

 0, 32.559, 292.144

 47, 32.559,

 47, 32.559,

292.144

42, 42.341,
294.011

36, 52.491,
296.136

31, 62.895,
298.469

27, 73.212,
300.881

23, 82.688,
303.136

20, 90.121,
304.912

19, 92.100,
305.334

292.144

52, 23.157,
290.534

58, 14.120,
289.158

63, 5.420, 287.991


69, 2.969, 106.946

74, 11.070,
106.105

79, 18.902,
105.367

84, 26.483,
104.728

90, 33.829,
104.171

 95, 40.952,
103.685

Harmonies

Complementary

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



47, 32.559, 292.144



64, 30.136, 103.632

Rectangle

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



47, 32.559, 292.144



47, 32.559, 342.144



47, 32.559, 112.144



47, 32.559, 162.144

Sweetspot

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



47, 32.558, 292.144



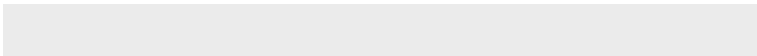
77, 11.654, 288.526



63, 20.615, 189.876



40, 7.911, 288.676



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 32.558, 292.144



55, 49.735, 293.700



48, 35.934, 308.123



32, 4.834, 288.304



17, 84.656, 305.205



1, 7.462, 287.602

Inverse Universe

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



50, 25.437, 17.556



60, 39.082, 18.981



64, 33.810, 124.326



32, 3.639, 14.419



30, 65.741, 36.502



1, 5.492, 14.310

Previews

White Background



This preview shows how the CIE LCh color 47, 32.559, 292.144 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 47, 32.559, 292.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

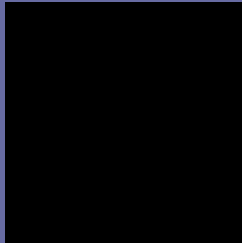
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 32.559, 292.144

Background



This preview shows how black text looks on a background with the CIELCh color 47, 32.559, 292.144.



This preview shows how white text looks on a background with the CIELCh color 47, 32.559, 292.144.

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


47, 32.559, 292.144

Protanopia

47, 32.728, 285.645

Deuteranopia

47, 30.514, 282.819



Tritanopia
47, 9.334, 233.674

Trichromacy



Original Color
47, 32.559, 292.144

Protanomaly
47, 32.626, 288.293

Deuteranomaly
47, 30.931, 285.917

Tritanomaly
47, 16.109, 272.904

Monochromacy



Original Color
47, 32.559, 292.144

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 11.851, 289.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 32.559, 292.144 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(103, 107, 162)` looks like.

```
.text, #text, p{  
    color:rgb(103, 107, 162)  
}
```

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(103, 107, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 107, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 32.559, 292.144 is called "border". The border property can be set on classes, ids or directly on the HTML element.

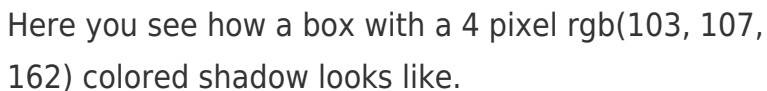
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 107, 162) }
```

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

```
.border{ border-color:rgb(103, 107, 162) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 107, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 107, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 107, 162); box-shadow:4px 4px 4px 4px rgb(103, 107, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 32.559, 292.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 107, 162) }
```

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

```
.background{ background-color: rgb(103,  
107, 162) }
```

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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