

Converting Colors

CIELCh(37, 35.075, 320.465)

Have a look what the booklet for
CIELCh(37, 35.075, 320.465)
contains.

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Color

CIELCh(37, 34.763, 320.666)

Conversions

Conversions Part 1

Format	Color
Hex	71487B
RGB	113, 72, 123
RGB Percent	44%, 28%, 48%
CMY	0.5576, 0.7183, 0.5183
CMYK	0.08, 0.42, 0.00, 0.52
HSL	288°, 26%, 38%
HSV	288°, 42%, 48%
XYZ	12.6580, 9.5379, 19.8547
YIQ	90.0730, 8.0650, 24.5530

Conversions

Conversions Part 2

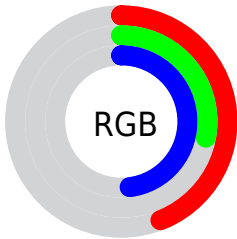
Format	Color
R_{YB}	113, 72, 123
Decimal	7424123
CIE Lab	37.00, 26.89, -22.03
CIE LCh	37, 34.763, 320.666
Yxy	9.5379, 0.3010, 0.2268
Android (android.graphics.Color)	4285614203 (0xFF71487B)
YUV	90.0730, 16.2330, 20.1070
Hunter-Lab	30.8835, 19.1144, -16.4985

Details

The CIELCh color $[37, 34.763, 320.666]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[47, 34.190, 136.699]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 35.274, 320.732]$, and $[17, 34.904, 320.902]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 42.803, 321.021]$, and if you desaturate by 10%, it is $[40, 26.418, 320.264]$.

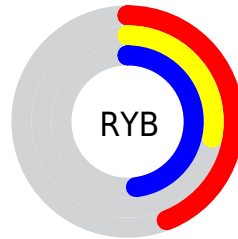
Distribution



Red (44%)

Green (28%)

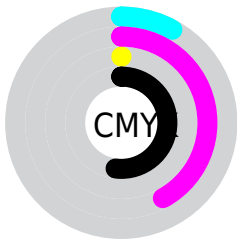
Blue (48%)



Red (44%)

Yellow (28%)

Blue (48%)

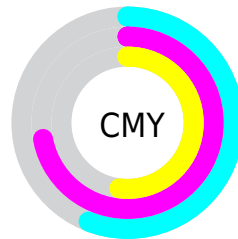


Cyan (8%)

Magenta (42%)

Yellow (0%)

Black (52%)



Cyan (56%)

Magenta (72%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 34.763, 320.666 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 37, 34.763, 320.666 by changing the saturation by 10% instead.

 37, 34.763,
320.666

 37, 34.763,
320.666

 100, 34.763,
320.666

 27, 34.763,
320.666

 57, 34.763,
320.666

 17, 34.763,
320.666

 67, 34.763,
320.666

 7, 34.763, 320.666

 77, 34.763,
320.666

 0, 34.763, 320.666

 87, 34.763,
320.666

 97, 34.763,
320.666

37, 34.763,
320.666

37, 34.763,
320.666

34, 42.803,
321.021

40, 26.418,
320.264

31, 50.277,
321.299

44, 17.969,
319.837

29, 56.854,
321.464

47, 9.550, 319.400

27, 62.176,
321.476

51, 1.248, 318.874

55, 6.883, 138.605

25, 65.944,
321.298

58, 14.812,
138.206

24, 68.474,
321.079

62, 22.525,
137.840

66, 30.018,
137.501

■ 70, 37.293,
137.188

Harmonies

Complementary

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



37, 34.763, 320.666



47, 34.190, 136.699

Rectangle

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



37, 34.763, 320.666



37, 34.763, 10.666



37, 34.763, 140.666



37, 34.763, 190.666

Sweetspot

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



37, 34.762, 320.666



61, 12.407, 319.434



36, 25.464, 286.501



31, 8.301, 319.479



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



37, 34.762, 320.666



45, 51.770, 321.012



38, 29.602, 337.263



24, 4.649, 319.291



24, 69.327, 321.067



52, 116.874, 320.708

Inverse Universe

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



37, 23.365, 8.451



44, 35.463, 10.289



47, 29.273, 150.819



24, 2.946, 4.278



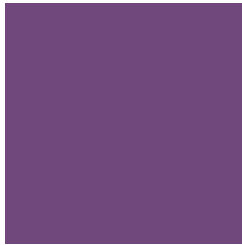
25, 54.004, 27.724



53, 93.413, 30.871

Previews

White Background



This preview shows how the CIELCh color 37, 34.763, 320.666 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 34.763, 320.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

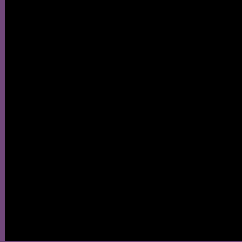
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 34.763, 320.666

Background



This preview shows how black text looks on a background with the CIELCh color 37, 34.763, 320.666.



This preview shows how white text looks on a background with the CIELCh color 37, 34.763, 320.666.

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

37, 34.763, 320.666

Protanopia

37, 29.808, 284.971

Deuteranopia

37, 21.133, 284.884



Tritanopia
37, 12.795, 4.756

Trichromacy



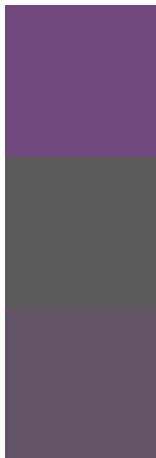
Original Color
37, 34.763, 320.666

Protanomaly
37, 30.422, 298.043

Deuteranomaly
37, 25.075, 301.476

Tritanomaly
37, 19.213, 337.790

Monochromacy



Original Color
37, 34.763, 320.666

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 13.278, 319.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 34.763, 320.666 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(113, 72, 123)` looks like.

```
.text, #text, p{  
    color:rgb(113, 72, 123)  
}
```

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(113, 72, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 72, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 34.763, 320.666 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(113, 72, 123) }
```

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

```
.border{ border-color:rgb(113, 72, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 72, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 72, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 72, 123); box-shadow:4px 4px 4px 4px rgb(113, 72, 123) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 34.763, 320.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 72, 123) }
```

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

```
.background{ background-color: rgb(113, 72,  
123) }
```

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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