Converting Colors

CIELCh(37, 37.144, 322.180)

Have a look what the booklet for CIELCh(37, 37.144, 322.180) contains.

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Color

CIELCh(37, 37.053, 322.218)

Conversions

Format	Color
Hex	74467C
RGB	116, 70, 124
RGB Percent	45%, 27%, 49%
CMY	0.5453, 0.7257, 0.5139
CMYK	0.06, 0.44, 0.00, 0.51
HSL	291°, 28%, 38%
HSV	291°, 44%, 49%
XYZ	13.0178, 9.5379, 20.2069
YIQ	89.9100, 10.0820, 26.5460

Conversions Part 1

Conversions

Conversions Part 2

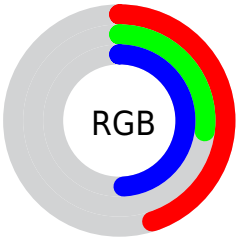
Format	Color
RYB	116, 70, 124
Decimal	7620220
CIELab	37.00, 29.28, -22.70
CIELCh	37, 37.053, 322.218
Yxy	9.5379, 0.3044, 0.2230
Android (android.graphics.Color)	4285810300 (0xFF74467C)
YUV	89.9100, 16.8064, 22.8809
Hunter-Lab	30.8835, 21.1940, -17.1747

Details

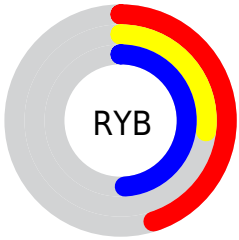
The CIELCh color 37, 37.053, 322.218 is a dark color, and the websafe version is hex 663366. A complement of this color would be 48, 36.628, 137.803, and the grayscale version is 38, 0.005, 296.813.

A 20% lighter version of the original color is 57, 36.873, 322.033, and 17, 36.850, 321.963 is the 20% darker color. If you saturate the color by 10%, you get 34, 45.029, 322.571, and if you desaturate by 10%, it is 40, 28.666, 321.812.

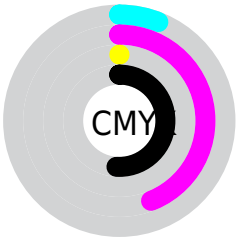
Distribution



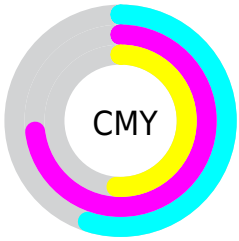
- Red (45%)
- Green (27%)
- Blue (49%)



- Red (45%)
- Yellow (27%)
- Blue (49%)



- Cyan (6%)
- Magenta (44%)
- Yellow (0%)
- Black (51%)



- Cyan (55%)
- Magenta (73%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 37.053, 322.218 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, 37.053, 322.218 by changing the saturation by 10% instead.

37, 37.053, 322.218

100, 37.053, 322.218

57, 37.053, 322.218

67, 37.053, 322.218

77, 37.053, 322.218

87, 37.053, 322.218

97, 37.053, 322.218

37, 37.053, 322.218

27, 37.053, 322.218

17, 37.053, 322.218

7, 37.053, 322.218

0, 37.053, 322.218

37, 37.053, 322.218

34, 45.029, 322.571

31, 52.309, 322.844

29, 58.552, 323.004

27, 63.423, 323.020

26, 66.707, 322.867

25, 68.512, 322.746

37, 37.053, 322.218

40, 28.666, 321.812

44, 20.097, 321.376

47, 11.506, 320.925

51, 3.000, 320.443

54, 5.350, 140.092

58, 13.503, 139.661

62, 21.440, 139.264

65, 29.151, 138.895

69, 36.635, 138.552

Harmonies

Complementary

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

37, 37.053, 322.218

48, 36.628, 137.803

Rectangle

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

37, 37.053, 322.218

37, 37.053, 12.218

37, 37.053, 142.218

37, 37.053, 192.218

Sweetspot

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

37, 37.052, 322.218

60, 13.634, 320.913

34, 28.734, 289.534

31, 9.627, 320.999

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, 37.052, 322.218

45, 54.078, 322.561

37, 30.221, 339.771

24, 4.714, 320.717

25, 68.910, 322.741

54, 116.107, 322.459

Inverse Universe

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

36, 24.713, 12.458

44, 37.004, 14.387

48, 29.698, 152.565

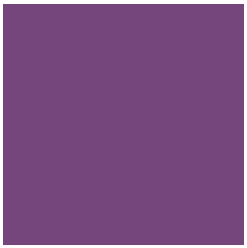
24, 2.903, 7.978

25, 55.663, 31.198

53, 96.482, 34.081

Previews

White Background

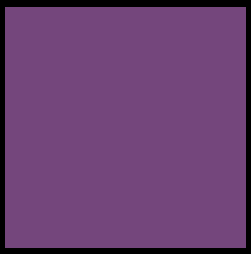


This preview shows how the CIELCh color 37, 37.053, 322.218 looks on a white background.

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



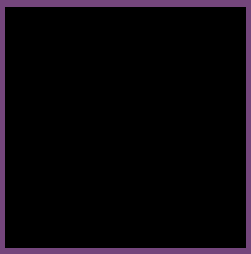
This preview shows how the CIELCh color 37, 37.053, 322.218 looks on a black background.

Color Contrast Check

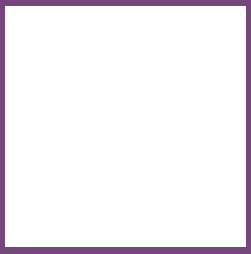
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 37, 37.053, 322.218 Background



This preview shows how black text looks on a background with the CIELCh color 37, 37.053, 322.218.



This preview shows how white text looks on a background with the CIELCh color 37, 37.053, 322.218.

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, 37.053, 322.218

Protanopia
37, 31.669, 284.921

Deuteranopia
37, 21.737, 285.259

Tritanopia
37, 14.550, 7.151

Trichromacy

Original Color
37, 37.053, 322.218

Protanomaly
37, 32.302, 298.096

Deuteranomaly
37, 26.425, 302.823

Tritanomaly
37, 20.796, 340.133

Monochromacy

Original Color
37, 37.053, 322.218

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 13.467, 320.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 37.053, 322.218 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(116, 70, 124) looks like.

```
.text, #text, p{
    color:rgb(116, 70, 124)
}
```

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(116, 70, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 70, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 37.053, 322.218 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(116, 70, 124) }
```

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

```
.border{ border-color:rgb(116, 70, 124) }
```

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

Here you see how a box with a 4 pixel rgb(116, 70, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 70, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 70, 124); box-shadow:4px 4px 4px 4px rgb(116, 70, 124) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 37.053, 322.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(116, 70, 124) }
```

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

```
.background{ background-color:rgb(116, 70,
124) }
```

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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