Converting Colors

CIELCh(36, 22.909, 322.957)

Have a look what the booklet for CIELCh(36, 22.909, 322.957) contains.

Color

CIELCh(36, 22.949, 323.256)

Conversions

Conversions Part 1

Format	Color
Hex	684B6B
RGB	104, 75, 107
RGB Percent	41%, 29%, 42%
CMY	0.5927, 0.7064, 0.5809
CMYK	0.03, 0.30, 0.00, 0.58
HSL	294°, 18%, 36%
HSV	294°, 30%, 42%
XYZ	10.8470, 9.0082, 15.0395
YIQ	87.3190, 7.0120, 16.1000

Conversions

Conversions Part 2

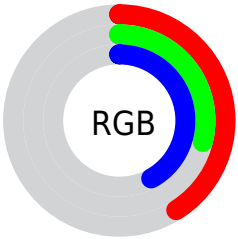
Format	Color
RYB	104, 75, 107
Decimal	6835051
CIELab	36.00, 18.39, -13.73
CIELCh	36, 22.949, 323.256
Yxy	9.0082, 0.3109, 0.2582
Android (android.graphics.Color)	4285025131 (0xFF684B6B)
YUV	87.3190, 9.7027, 14.6292
Hunter-Lab	30.0136, 11.9868, -8.7000

Details

The CIELCh color 36, 22.949, 323.256 is a dark color, and the websafe version is hex 663366. A complement of this color would be 42, 22.824, 140.196, and the grayscale version is 37, 0.005, 296.813.

A 20% lighter version of the original color is 56, 22.929, 323.921, and 16, 23.353, 322.730 is the 20% darker color. If you saturate the color by 10%, you get 33, 30.508, 323.691, and if you desaturate by 10%, it is 39, 15.256, 322.798.

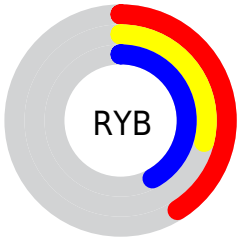
Distribution



Red (41%)

Green (29%)

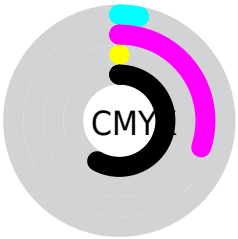
Blue (42%)



Red (41%)

Yellow (29%)

Blue (42%)

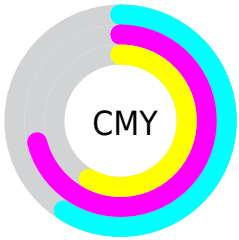


Cyan (3%)

Magenta (30%)

Yellow (0%)

Black (58%)



Cyan (59%)

Magenta (71%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 22.949, 323.256 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 36, 22.949, 323.256 by changing the saturation by 10% instead.

36, 22.949, 323.256

100, 22.949, 323.256

56, 22.949, 323.256

66, 22.949, 323.256

76, 22.949, 323.256

86, 22.949, 323.256

96, 22.949, 323.256

36, 22.949, 323.256

26, 22.949, 323.256

16, 22.949, 323.256

6, 22.949, 323.256

0, 22.949, 323.256

36, 22.949, 323.256

33, 30.508, 323.691

31, 37.755, 324.085

28, 44.455, 324.418

26, 50.334, 324.666

24, 55.109, 324.805

23, 58.552, 324.816

22, 61.272, 324.765

22, 61.290,

36, 22.949, 323.256

39, 15.256, 322.798

42, 7.563, 322.326

45, 0.042, 145.404

48, 7.503, 141.459

52, 14.784, 141.020

55, 21.869, 140.607

58, 28.750, 140.220

61, 35.428, 139.858

324.765

65, 41.908, 139.522

Harmonies

Complementary

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

36, 22.949, 323.256

42, 22.824, 140.196

Rectangle

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

36, 22.949, 323.256

36, 22.949, 13.256

36, 22.949, 143.256

36, 22.949, 193.256

Sweetspot

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

36, 22.948, 323.256

54, 8.431, 322.292

34, 18.079, 289.460

27, 5.819, 322.345

79, 0.010, 296.813

29, 0.005, 296.813

Same Dimension

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

36, 22.948, 323.256

44, 33.918, 323.565

36, 17.903, 340.929

21, 4.282, 322.279

25, 65.493, 324.729

54, 112.754, 324.528

Inverse Universe

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

35, 14.526, 14.471

43, 21.924, 15.428

42, 17.546, 156.213

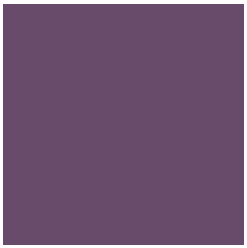
21, 2.563, 12.264

23, 54.563, 33.762

51, 97.376, 36.906

Previews

White Background

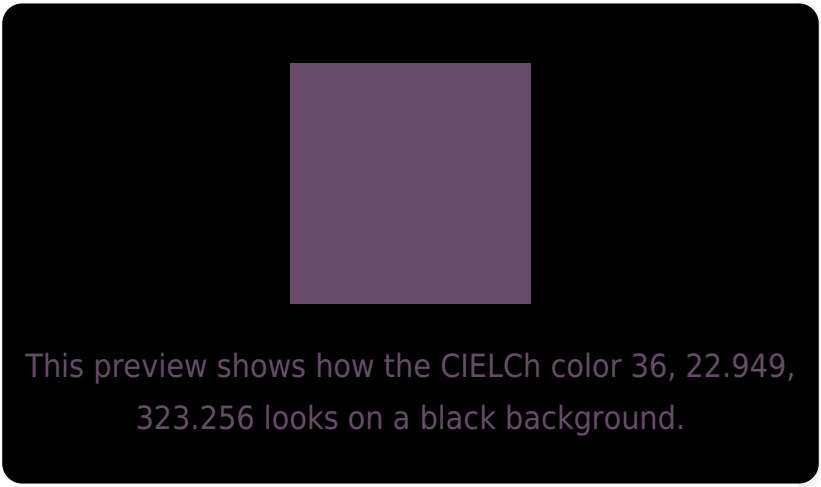


This preview shows how the CIELCh color 36, 22.949, 323.256 looks on a white background.

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

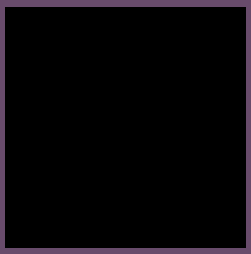


Color Contrast Check

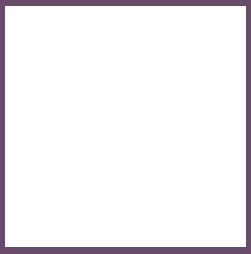
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

CIELCh 36, 22.949, 323.256 Background



This preview shows how black text looks on a background with the CIELCh color 36, 22.949, 323.256.



This preview shows how white text looks on a background with the CIELCh color 36, 22.949, 323.256.

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
36, 22.949, 323.256

Protanopia
36, 18.096, 284.999

Deuteranopia
36, 13.679, 292.396

Tritanopia
36, 10.288, 359.960

Trichromacy

Original Color
36, 22.949, 323.256

Protanomaly
36, 18.850, 300.050

Deuteranomaly
36, 16.814, 307.551

Tritanomaly
36, 14.472, 338.553

Monochromacy

Original Color
36, 22.949, 323.256

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 8.028, 322.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 22.949, 323.256 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(104, 75, 107) looks like.

```
.text, #text, p{
    color:rgb(104, 75, 107)
}
```

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(104, 75, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 75, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 22.949, 323.256 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(104, 75, 107) }
```

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

```
.border{ border-color:rgb(104, 75, 107) }
```

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

Here you see how a box with a 4 pixel rgb(104, 75, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 75, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 75, 107); box-shadow:4px 4px 4px 4px rgb(104, 75, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 22.949, 323.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(104, 75, 107) }
```

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

```
.background{ background-color:rgb(104, 75,
107) }
```

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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