

Converting Colors

CIELCh(42, 20.299, 324.742)

Have a look what the booklet for
CIELCh(42, 20.299, 324.742)
contains.

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Color

CIELCh(42, 20.737, 324.728)

Conversions

Conversions Part 1

Format	Color
Hex	765A77
RGB	118, 90, 119
RGB Percent	46%, 35%, 47%
CMY	0.5372, 0.6470, 0.5333
CMYK	0.01, 0.24, 0.00, 0.53
HSL	298°, 14%, 41%
HSV	298°, 24%, 47%
XYZ	14.4618, 12.5000, 19.1087
YIQ	101.6780, 7.3790, 14.9550

Conversions

Conversions Part 2

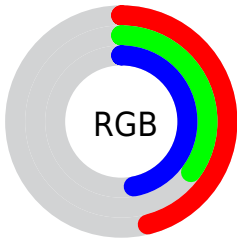
Format	Color
R_{YB}	118, 90, 119
Decimal	7756407
CIE _{Lab}	42.00, 16.93, -11.97
CIE _{LCh}	42, 20.737, 324.728
Yxy	12.5000, 0.3139, 0.2713
Android (android.graphics.Color)	4285946487 (0xFF765A77)
YUV	101.6780, 8.5397, 14.3144
Hunter-Lab	35.3553, 11.1418, -7.2960

Details

The CIELCh color $42, 20.737, 324.728$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $47, 20.695, 142.065$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 20.744, 324.509$, and $22, 20.850, 324.105$ is the 20% darker color. If you saturate the color by 10%, you get $39, 29.179, 325.213$, and if you desaturate by 10%, it is $45, 12.193, 324.225$.

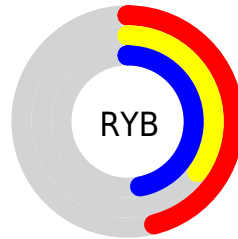
Distribution



Red (46%)

Green (35%)

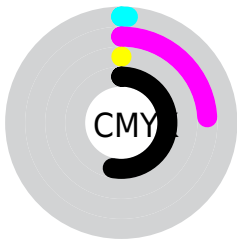
Blue (47%)



Red (46%)

Yellow (35%)

Blue (47%)

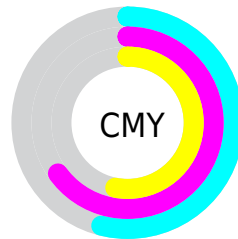


Cyan (1%)

Magenta (24%)

Yellow (0%)

Black (53%)



Cyan (54%)


Magenta (65%)

Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.737, 324.728 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 42, 20.737, 324.728 by changing the saturation by 10% instead.

 42, 20.737,
324.728


 42, 20.737,
324.728


 100, 20.737,
324.728


 32, 20.737,
324.728

 62, 20.737,
324.728


 22, 20.737,
324.728

 72, 20.737,
324.728

 12, 20.737,
324.728

 82, 20.737,
324.728

 2, 20.737, 324.728

 92, 20.737,
324.728

 0, 20.737, 324.728

 42, 20.737,

 42, 20.737,

324.728

39, 29.179,
325.213

36, 37.335,
325.667

33, 44.960,
326.074

31, 51.762,
326.416

29, 57.433,
326.676

28, 61.709,
326.839

27, 64.511,
326.902

27, 65.899,
326.926

324.728

45, 12.193,
324.225

49, 3.685, 323.692

52, 4.698, 143.281

55, 12.898,
142.778

59, 20.882,
142.312

63, 28.636,
141.870

66, 36.154,
141.455

70, 43.439,
141.064

■ 73, 50.499,
140.700

Harmonies

Complementary

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



42, 20.737, 324.728



47, 20.695, 142.065

Rectangle

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



42, 20.737, 324.728



42, 20.737, 14.728



42, 20.737, 144.728



42, 20.737, 194.728

Sweetspot

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



42, 20.735, 324.728



61, 7.368, 323.851



40, 16.835, 290.891



32, 4.826, 323.873



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 20.735, 324.728



52, 30.711, 324.991



42, 15.381, 343.008



23, 4.707, 323.949



28, 67.236, 326.922



58, 114.004, 326.850

Inverse Universe

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



41, 12.722, 18.469



51, 19.197, 19.071



47, 15.039, 159.055



23, 2.751, 17.065



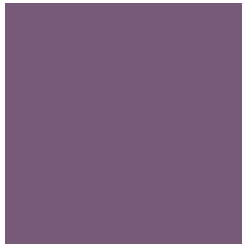
24, 58.082, 36.624



52, 101.646, 39.040

Previews

White Background



This preview shows how the CIELCh color 42, 20.737, 324.728 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 CIELCh color 42, 20.737, 324.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

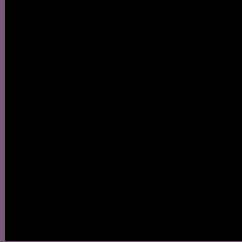
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.737, 324.728

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.737, 324.728.



This preview shows how white text looks on a background with the CIELCh color 42, 20.737, 324.728.

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

42, 20.737, 324.728

Protanopia

42, 16.375, 286.122

Deuteranopia

42, 12.784, 297.207



Tritanopia
42, 10.448, 353.461

Trichromacy



Original Color
42, 20.737, 324.728

Protanomaly
42, 17.223, 301.454

Deuteranomaly
42, 15.466, 311.376

Tritanomaly
42, 13.814, 337.084

Monochromacy



Original Color
42, 20.737, 324.728

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.313, 324.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.737, 324.728 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(118, 90, 119)` looks like.

```
.text, #text, p{  
    color:rgb(118, 90, 119)  
}
```

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(118, 90, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 90, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.737, 324.728 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(118, 90, 119) }
```

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

```
.border{ border-color:rgb(118, 90, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 90, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 90, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 90, 119);  
box-shadow:4px 4px 4px 4px rgb(118, 90,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.737, 324.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 90, 119) }
```

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

```
.background{ background-color: rgb(118, 90,  
119) }
```

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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