

Converting Colors

CIELCh(34, 42.301, 324.329)

Have a look what the booklet for
CIELCh(34, 42.301, 324.329)
contains.

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Color

CIELCh(34, 42.788, 324.080)

Conversions

Conversions Part 1

Format	Color
Hex	723A78
RGB	114, 58, 120
RGB Percent	45%, 23%, 47%
CMY	0.5519, 0.7716, 0.5284
CMYK	0.05, 0.52, 0.00, 0.53
HSL	294°, 35%, 35%
HSV	294°, 52%, 47%
XYZ	11.9049, 8.0082, 18.7697
YIQ	81.8120, 13.4740, 31.1540

Conversions

Conversions Part 2

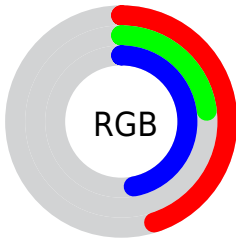
Format	Color
R_{YB}	114, 58, 120
Decimal	7486072
CIE _{Lab}	34.00, 34.65, -25.10
CIE _{LCh}	34, 42.788, 324.080
Yxy	8.0082, 0.3078, 0.2070
Android (android.graphics.Color)	4285676152 (0xFF723A78)
YUV	81.8120, 18.8267, 28.2289
Hunter-Lab	28.2988, 25.5696, -19.5160

Details

The CIELCh color $34, 42.788, 324.080$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $45, 42.571, 138.417$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 42.612, 323.709$, and $14, 42.774, 324.256$ is the 20% darker color. If you saturate the color by 10%, you get $31, 49.988, 324.397$, and if you desaturate by 10%, it is $37, 34.911, 323.694$.

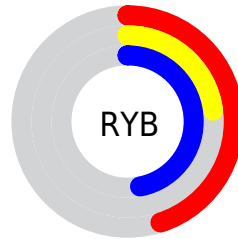
Distribution



Red (45%)

Green (23%)

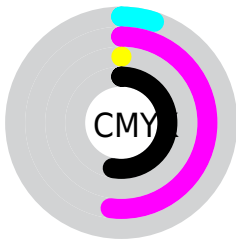
Blue (47%)



Red (45%)

Yellow (23%)

Blue (47%)

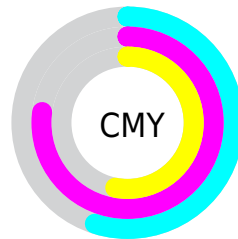


Cyan (5%)

Magenta (52%)

Yellow (0%)

Black (53%)



Cyan (55%)


Magenta (77%)


Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 42.788, 324.080 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 34, 42.788, 324.080 by changing the saturation by 10% instead.

 34, 42.788,
324.080

 34, 42.788,
324.080

 100, 42.788,
324.080


 24, 42.788,
324.080

 54, 42.788,
324.080

 14, 42.788,
324.080


 64, 42.788,
324.080

 4, 42.788, 324.080

 74, 42.788,
324.080

 0, 42.788, 324.080

 84, 42.788,
324.080

 94, 42.788,
324.080

■ 34, 42.788,
324.080

■ 34, 42.788,
324.080

■ 31, 49.988,
324.397

■ 37, 34.911,
323.694

■ 29, 56.197,
324.621

■ 40, 26.637,
323.262

■ 28, 61.101,
324.726

■ 43, 18.181,
322.803

■ 26, 64.473,
324.693

■ 47, 9.702, 322.329

■ 26, 66.689,
324.616

■ 50, 1.307, 321.757

■ 54, 6.934, 141.450

■ 57, 14.981,
141.001

■ 61, 22.809,
140.582

■ 64, 30.412,
140.189

Harmonies

Complementary

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



34, 42.788, 324.080



45, 42.571, 138.417

Rectangle

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



34, 42.788, 324.080



34, 42.788, 14.080



34, 42.788, 144.080



34, 42.788, 194.080

Sweetspot

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



34, 42.787, 324.080



58, 15.570, 322.511



29, 35.755, 293.437



29, 10.715, 322.592



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



34, 42.787, 324.080



41, 61.805, 324.449



34, 33.455, 343.137



24, 4.786, 322.208



27, 68.549, 324.602



56, 115.446, 324.411

Inverse Universe

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



33, 29.064, 17.886



39, 43.838, 20.778



46, 32.600, 153.728



24, 2.870, 12.056



25, 57.370, 34.190



53, 99.596, 36.843

Previews

White Background



This preview shows how the CIELCh color 34, 42.788, 324.080 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 34, 42.788, 324.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

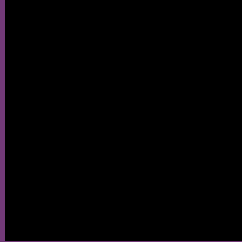
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 42.788, 324.080

Background



This preview shows how black text looks on a background with the CIELCh color 34, 42.788, 324.080.



This preview shows how white text looks on a background with the CIELCh color 34, 42.788, 324.080.

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

34, 42.788, 324.080

Protanopia

34, 37.074, 285.617

Deuteranopia

34, 22.827, 281.886



Tritanopia
34, 17.484, 12.280

Trichromacy



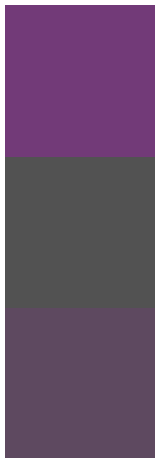
Original Color
34, 42.788, 324.080

Protanomaly
33, 38.395, 299.129

Deuteranomaly
34, 29.325, 303.183

Tritanomaly
34, 23.962, 343.538

Monochromacy



Original Color
34, 42.788, 324.080

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 16.833, 323.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 42.788, 324.080 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(114, 58, 120)` looks like.

```
.text, #text, p{  
    color:rgb(114, 58, 120)  
}
```

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(114, 58, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 58, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 42.788, 324.080 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(114, 58, 120) }
```

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

```
.border{ border-color:rgb(114, 58, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 58, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 58, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 58, 120);  
box-shadow:4px 4px 4px 4px rgb(114, 58,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 42.788, 324.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 58, 120) }
```

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

```
.background{ background-color: rgb(114, 58,  
120) }
```

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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