

Converting Colors

CIELCh(34, 21.812, 321.890)

Have a look what the booklet for
CIELCh(34, 21.812, 321.890)
contains.

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Color

CIELCh(34, 21.517, 322.062)

Conversions

Conversions Part 1

Format	Color
Hex	614765
RGB	97, 71, 101
RGB Percent	38%, 28%, 40%
CMY	0.6192, 0.7212, 0.6035
CMYK	0.04, 0.30, 0.00, 0.60
HSL	292°, 17%, 34%
HSV	292°, 30%, 40%
XYZ	9.5549, 8.0082, 13.3813
YIQ	82.1940, 5.8660, 14.8420

Conversions

Conversions Part 2

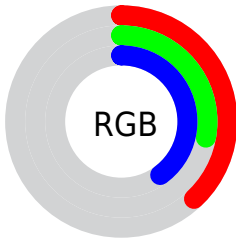
Format	Color
RYB	97, 71, 101
Decimal	6375269
CIELab	34.00, 16.97, -13.23
CIElCh	34, 21.517, 322.062
Yxy	8.0082, 0.3088, 0.2588
Android (android.graphics.Color)	4284565349 (0xFF614765)
YUV	82.1940, 9.2714, 12.9849
Hunter-Lab	28.2988, 10.7463, -8.2265

Details

The CIELCh color $[34, 21.517, 322.062]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[40, 21.346, 139.194]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 21.336, 321.970]$, and $[14, 21.332, 322.242]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 28.713, 322.480]$, and if you desaturate by 10%, it is $[37, 14.224, 321.623]$.

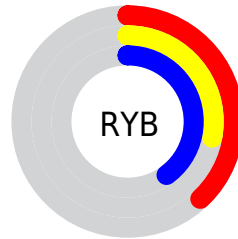
Distribution




 Red (38%)

 Green (28%)

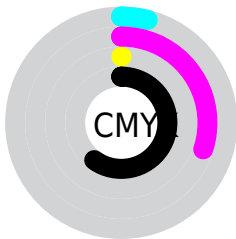
 Blue (40%)



 Red (38%)

 Yellow (28%)

 Blue (40%)

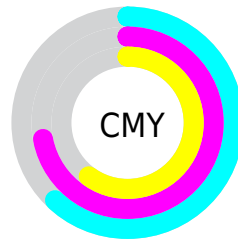


 Cyan (4%)

 Magenta (30%)

 Yellow (0%)

 Black (60%)



 Cyan (62%)


 Magenta (72%)


 Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 21.517, 322.062 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, 21.517, 322.062 by changing the saturation by 10% instead.


 34, 21.517,
322.062


 34, 21.517,
322.062

 100, 21.517,
322.062


 24, 21.517,
322.062

 54, 21.517,
322.062


 14, 21.517,
322.062


 64, 21.517,
322.062

 4, 21.517, 322.062

 74, 21.517,
322.062

 0, 21.517, 322.062

 84, 21.517,
322.062

 94, 21.517,
322.062

■ 34, 21.517,
322.062

■ 34, 21.517,
322.062

■ 31, 28.713,
322.480

■ 37, 14.224,
321.623

■ 29, 35.657,
322.858

■ 40, 6.952, 321.171

■ 43, 0.226, 141.362

■ 26, 42.136,
323.174

■ 46, 7.262, 140.350

■ 24, 47.892,
323.401

■ 49, 14.127,
139.935

■ 22, 52.648,
323.511

■ 52, 20.808,
139.549

■ 21, 56.165,
323.477


■ 55, 27.301,
139.188

■ 20, 59.061,
323.385

■ 59, 33.605,
138.851

■ 20, 59.160,

323.383

 62, 39.728,
138.540

Harmonies

Complementary

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



34, 21.517, 322.062



40, 21.346, 139.194

Rectangle

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



34, 21.517, 322.062



34, 21.517, 12.062



34, 21.517, 142.062



34, 21.517, 192.062

Sweetspot

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



34, 21.516, 322.062



52, 8.079, 321.152



33, 16.465, 287.805



26, 5.573, 321.201



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



34, 21.516, 322.062



42, 32.590, 322.374



34, 17.335, 339.277



20, 4.061, 321.136



23, 64.718, 323.314



52, 112.332, 323.026

Inverse Universe

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



34, 13.772, 11.361



42, 21.252, 12.383



40, 17.056, 154.794



19, 2.479, 9.112



23, 52.529, 31.531



51, 94.307, 34.847

Previews

White Background



This preview shows how the CIE LCh color 34, 21.517, 322.062 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 34, 21.517, 322.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

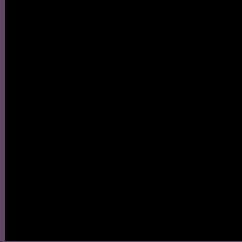
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 21.517, 322.062

Background



This preview shows how black text looks on a background with the CIELCh color 34, 21.517, 322.062.



This preview shows how white text looks on a background with the CIELCh color 34, 21.517, 322.062.

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, 21.517, 322.062

Protanopia

34, 17.663, 284.794

Deuteranopia

34, 13.167, 290.706



Tritanopia
34, 9.138, 356.740

Trichromacy



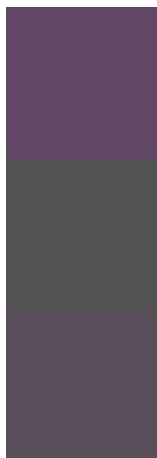
Original Color
34, 21.517, 322.062

Protanomaly
34, 18.381, 299.140

Deuteranomaly
34, 15.557, 305.858

Tritanomaly
34, 12.526, 337.152

Monochromacy



Original Color
34, 21.517, 322.062

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 7.897, 319.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 21.517, 322.062 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(97, 71, 101)` looks like.

```
.text, #text, p{  
    color:rgb(97, 71, 101)  
}
```

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(97, 71, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 71, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 21.517, 322.062 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(97, 71, 101) }
```

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

```
.border{ border-color:rgb(97, 71, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 71, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 71, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 71, 101);  
box-shadow:4px 4px 4px 4px rgb(97, 71,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 21.517, 322.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 71, 101) }
```

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

```
.background{ background-color: rgb(97, 71,  
101) }
```

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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