

Converting Colors

CIELCh(32, 34.048, 307.925)

Have a look what the booklet for
CIELCh(32, 34.048, 307.925)
contains.

CIELCh(32, 34.412, 307.945)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 34.412, 307.945)

Conversions

Conversions Part 1

Format	Color
Hex	564176
RGB	86, 65, 118
RGB Percent	34%, 25%, 46%
CMY	0.6623, 0.7447, 0.5368
CMYK	0.27, 0.45, 0.00, 0.54
HSL	264°, 29%, 36%
HSV	264°, 45%, 46%
XYZ	9.0190, 7.0852, 18.0641
YIQ	77.3210, -4.4970, 20.9350

Conversions

Conversions Part 2

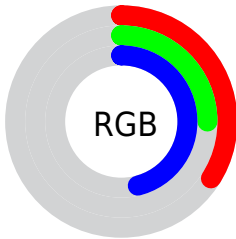
Format	Color
R_{YB}	86, 65, 118
Decimal	5652854
CIE _{Lab}	32.00, 21.16, -27.14
CIE _{LCh}	32, 34.412, 307.945
Yxy	7.0852, 0.2640, 0.2074
Android (android.graphics.Color)	4283842934 (0xFF564176)
YUV	77.3210, 20.0547, 7.6115
Hunter-Lab	26.6180, 13.8997, -21.6041

Details

The CIELCh color $[32, 34.412, 307.945]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[47, 31.829, 123.205]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 34.309, 308.093]$, and $[12, 34.602, 308.097]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 42.440, 308.613]$, and if you desaturate by 10%, it is $[36, 26.425, 307.289]$.

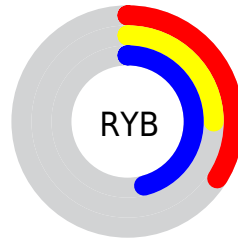
Distribution



 Red (34%)

 Green (25%)

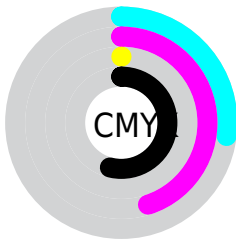
 Blue (46%)




 Red (34%)

 Yellow (25%)

 Blue (46%)

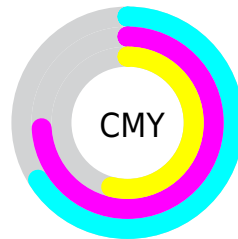


 Cyan (27%)


 Magenta (45%)

 Yellow (0%)

 Black (54%)



 Cyan (66%)


 Magenta (74%)


 Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 34.412, 307.945 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 32, 34.412, 307.945 by changing the saturation by 10% instead.


 32, 34.412,
307.945


 32, 34.412,
307.945

 100, 34.412,
307.945


 22, 34.412,
307.945

 52, 34.412,
307.945


 12, 34.412,
307.945


 62, 34.412,
307.945

 2, 34.412, 307.945

 72, 34.412,
307.945

 0, 34.412, 307.945

 82, 34.412,
307.945

 92, 34.412,
307.945

■ 32, 34.412,
307.945

■ 32, 34.412,
307.945

■ 28, 42.440,
308.613

■ 36, 26.425,
307.289

■ 25, 50.320,
309.248

■ 40, 18.588,
306.671

■ 21, 57.729,
309.777

■ 44, 10.952,
306.102

■ 18, 64.183,
310.096

■ 48, 3.541, 305.580

■ 16, 69.248,
310.126

■ 52, 3.640, 125.155

■ 15, 71.869,
310.222

■ 56, 10.593,
124.742

■ 60, 17.326,
124.386

■ 63, 23.850,
124.077

■ 67, 30.175,
123.807

Harmonies

Complementary

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



32, 34.412, 307.945



47, 31.829, 123.205

Rectangle

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



32, 34.412, 307.945



32, 34.412, 357.945



32, 34.412, 127.945



32, 34.412, 177.945

Sweetspot

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



32, 34.411, 307.945



57, 11.798, 306.018



40, 16.305, 248.441



28, 8.229, 306.116



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



32, 34.411, 307.945



37, 51.633, 308.643



35, 36.883, 323.219



22, 4.083, 305.793



16, 73.765, 310.181



37, 125.880, 309.604

Inverse Universe

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



35, 29.025, 342.204



42, 42.461, 343.363



45, 36.587, 138.497



23, 3.600, 339.062



26, 51.176, 351.409



55, 85.924, 353.217

Previews

White Background



This preview shows how the CIELCh color 32, 34.412, 307.945 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 32, 34.412, 307.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

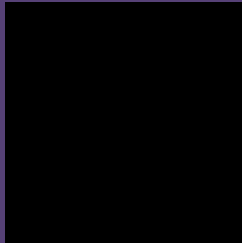
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 34.412, 307.945

Background



This preview shows how black text looks on a background with the CIELCh color 32, 34.412, 307.945.



This preview shows how white text looks on a background with the CIELCh color 32, 34.412, 307.945.

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


32, 34.412, 307.945

Protanopia

32, 33.067, 285.417

Deuteranopia

32, 26.388, 280.697



Tritanopia
32, 4.389, 320.080

Trichromacy



Original Color
32, 34.412, 307.945

Protanomaly
32, 32.889, 292.935

Deuteranomaly
32, 29.168, 291.917

Tritanomaly
32, 15.317, 309.407

Monochromacy



Original Color
32, 34.412, 307.945

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 12.418, 305.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 34.412, 307.945 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(86, 65, 118)` looks like.

```
.text, #text, p{  
    color:rgb(86, 65, 118)  
}
```

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(86, 65, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 65, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 34.412, 307.945 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(86, 65, 118) }
```

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

```
.border{ border-color:rgb(86, 65, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 65, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 65, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 65, 118);  
box-shadow:4px 4px 4px 4px rgb(86, 65,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 34.412, 307.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 65, 118) }
```

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

```
.background{ background-color: rgb(86, 65,  
118) }
```

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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