

Converting Colors

CIELCh(34, 45.276, 297.017)

Have a look what the booklet for
CIELCh(34, 45.276, 297.017)
contains.

CIELCh(34, 44.986, 296.843)	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(34, 44.986, 296.843)

Conversions

Conversions Part 1

Format	Color
Hex	474890
RGB	71, 72, 144
RGB Percent	28%, 28%, 56%
CMY	0.7211, 0.7173, 0.4349
CMYK	0.51, 0.50, 0.00, 0.43
HSL	239°, 34%, 42%
HSV	239°, 51%, 57%
XYZ	9.9731, 8.0082, 27.4505
YIQ	79.9090, -23.7080, 22.1800

Conversions

Conversions Part 2

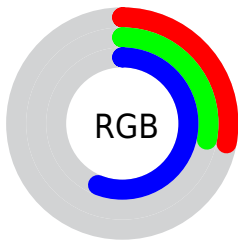
Format	Color
R _Y B	71, 72, 144
Decimal	4671632
CIE Lab	34.00, 20.31, -40.14
CIE LCh	34, 44.986, 296.843
Yxy	8.0082, 0.2195, 0.1763
Android (android.graphics.Color)	4282861712 (0xFF474890)
YUV	79.9090, 31.5969, -7.8132
Hunter-Lab	28.2988, 13.3841, -37.7035

Details

The CIELCh color $[34, 44.986, 296.843]$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $[58, 39.388, 104.901]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 45.054, 296.926]$, and $[14, 44.848, 296.734]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 54.882, 298.931]$, and if you desaturate by 10%, it is $[39, 35.373, 294.967]$.

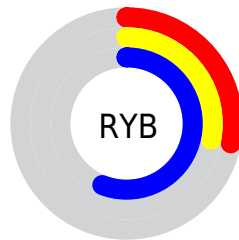
Distribution



Red (28%)

Green (28%)

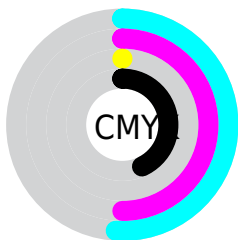
Blue (56%)



Red (28%)

Yellow (28%)

Blue (56%)

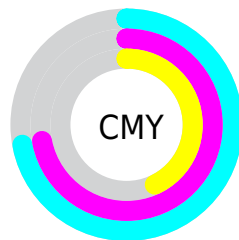


Cyan (51%)

Magenta (50%)

Yellow (0%)

Black (43%)



Cyan (72%)

Magenta (72%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 44.986, 296.843 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, 44.986, 296.843 by changing the saturation by 10% instead.


 34, 44.986,
296.843

 34, 44.986,
296.843

 100, 44.986,
296.843

 24, 44.986,
296.843

 54, 44.986,
296.843


 14, 44.986,
296.843


 64, 44.986,
296.843

 4, 44.986, 296.843

 74, 44.986,
296.843

 0, 44.986, 296.843

 84, 44.986,
296.843

 94, 44.986,
296.843

■ 34, 44.986,
296.843

■ 34, 44.986,
296.843

■ 29, 54.882,
298.931

■ 39, 35.373,
294.967

■ 25, 64.795,
301.130

■ 44, 26.125,
293.331

■ 21, 74.096,
303.237

■ 49, 17.249,
291.926

■ 18, 81.667,
304.953

■ 54, 8.727, 290.730

■ 16, 86.783,
306.068

■ 60, 0.531, 289.804

■ 65, 7.361, 108.822

■ 70, 14.973,
108.080

■ 75, 22.323,
107.441

■ 79, 29.430,
106.888

Harmonies

Complementary

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



34, 44.986, 296.843



58, 39.388, 104.901

Rectangle

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



34, 44.986, 296.843



34, 44.986, 346.843



34, 44.986, 116.843



34, 44.986, 166.843

Sweetspot

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



34, 44.986, 296.844



66, 15.277, 291.262



55, 23.853, 195.477



34, 10.543, 291.490



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



34, 44.986, 296.844



38, 68.192, 299.278



37, 46.272, 311.053



27, 4.578, 290.569



14, 82.773, 306.051



0, 3.043, 289.640

Inverse Universe

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



39, 33.794, 24.013



47, 51.463, 26.710



56, 42.888, 126.193



28, 3.245, 18.797



27, 63.700, 38.269



0, 2.122, 18.284

Previews

White Background



This preview shows how the CIELCh color 34, 44.986, 296.843 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, 44.986, 296.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

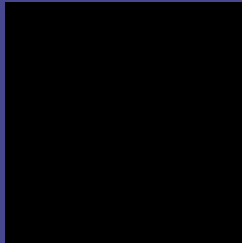
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 44.986, 296.843

Background



This preview shows how black text looks on a background with the CIELCh color 34, 44.986, 296.843.



This preview shows how white text looks on a background with the CIELCh color 34, 44.986, 296.843.

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, 44.986, 296.843

Protanopia

34, 45.864, 286.779

Deuteranopia

34, 39.308, 277.332



Tritanopia
34, 11.823, 219.985

Trichromacy



Original Color
34, 44.986, 296.843

Protanomaly
34, 45.710, 290.049

Deuteranomaly
34, 41.146, 283.649

Tritanomaly
34, 20.215, 274.713

Monochromacy



Original Color
34, 44.986, 296.843

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 16.356, 292.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 44.986, 296.843 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(71, 72, 144)` looks like.

```
.text, #text, p{  
    color:rgb(71, 72, 144)  
}
```

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(71, 72, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 72, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 44.986, 296.843 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(71, 72, 144) }
```

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

```
.border{ border-color:rgb(71, 72, 144) }
```

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

Here you see how a box with a 4 pixel rgb(71, 72, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 72, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 72, 144);  
box-shadow:4px 4px 4px 4px rgb(71, 72,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 44.986, 296.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 72, 144) }
```

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

```
.background{ background-color: rgb(71, 72,  
144) }
```

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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