

Converting Colors

CIELCh(44, 35.180, 296.195)

Have a look what the booklet for
CIELCh(44, 35.180, 296.195)
contains.

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Color

CIELCh(44, 34.797, 295.964)

Conversions

Conversions Part 1

Format	Color
Hex	64629C
RGB	100, 98, 156
RGB Percent	39%, 38%, 61%
CMY	0.6079, 0.6158, 0.3883
CMYK	0.36, 0.37, 0.00, 0.39
HSL	242°, 23%, 50%
HSV	242°, 37%, 61%
XYZ	15.6167, 13.8382, 33.2885
YIQ	105.2100, -17.4260, 18.4620

Conversions

Conversions Part 2

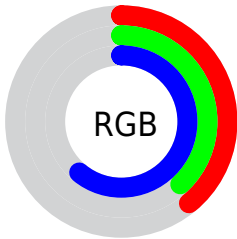
Format	Color
R_{YB}	100, 98, 156
Decimal	6578844
CIE _{Lab}	44.00, 15.23, -31.28
CIE _{LCh}	44, 34.797, 295.964
Yxy	13.8382, 0.2489, 0.2206
Android (android.graphics.Color)	4284768924 (0xFF64629C)
YUV	105.2100, 25.0395, -4.5692
Hunter-Lab	37.1997, 9.8362, -27.0163

Details

The CIELCh color $44, 34.797, 295.964$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 31.746, 108.228$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 34.673, 295.896$, and $24, 34.338, 295.885$ is the 20% darker color. If you saturate the color by 10%, you get $39, 45.069, 297.629$, and if you desaturate by 10%, it is $49, 24.916, 294.514$.

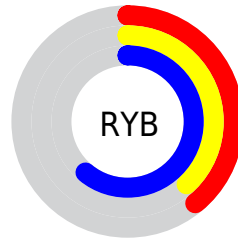
Distribution



Red (39%)

Green (38%)

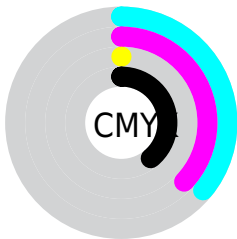
Blue (61%)



Red (39%)

Yellow (38%)

Blue (61%)

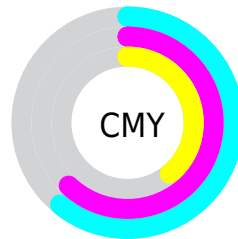


Cyan (36%)

Magenta (37%)

Yellow (0%)

Black (39%)



Cyan (61%)

Magenta (62%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 34.797, 295.964 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 44, 34.797, 295.964 by changing the saturation by 10% instead.


 44, 34.797,
295.964

 44, 34.797,
295.964


 100, 34.797,
295.964


 34, 34.797,
295.964

 64, 34.797,
295.964

 24, 34.797,
295.964

 74, 34.797,
295.964

 14, 34.797,
295.964

 84, 34.797,
295.964

 4, 34.797, 295.964

 94, 34.797,
295.964

 0, 34.797, 295.964

 44, 34.797,

 44, 34.797,

295.964

■ 39, 45.069,
297.629

■ 33, 55.663,
299.489

■ 28, 66.339,
301.470

■ 24, 76.517,
303.404

■ 20, 85.107,
305.020

■ 18, 90.981,
306.104

■ 18, 92.500,
306.412

295.964

■ 49, 24.916,
294.514

■ 55, 15.434,
293.269

■ 60, 6.329, 292.209

■ 66, 2.424, 111.277

■ 71, 10.850,
110.515

■ 77, 18.974,
109.853

■ 82, 26.816,
109.284

■ 87, 34.396,
108.793

■ 92, 41.730,
108.368

Harmonies

Complementary

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



44, 34.797, 295.964



63, 31.746, 108.228

Rectangle

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



44, 34.797, 295.964



44, 34.797, 345.964



44, 34.797, 115.964



44, 34.797, 165.964

Sweetspot

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



44, 34.796, 295.964



75, 12.153, 292.616



60, 19.103, 201.025



38, 8.166, 292.746



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



44, 34.796, 295.964



51, 53.352, 297.402



47, 36.133, 311.955



31, 5.057, 292.415



16, 86.700, 306.426



0, 6.509, 291.465

Inverse Universe

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



50, 38.724, 327.375



60, 57.662, 327.814



61, 34.451, 128.540



31, 5.963, 325.854



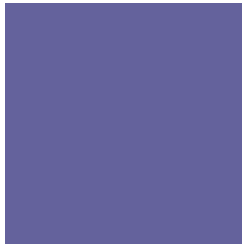
33, 73.087, 329.622



1, 7.717, 325.598

Previews

White Background



This preview shows how the CIELCh color 44, 34.797, 295.964 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 CIE LCh color 44, 34.797, 295.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

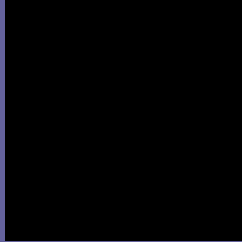
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 34.797, 295.964

Background



This preview shows how black text looks on a background with the CIELCh color 44, 34.797, 295.964.

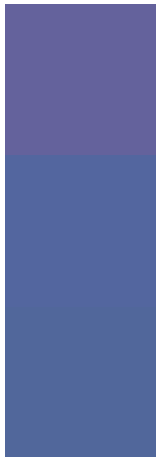


This preview shows how white text looks on a background with the CIELCh color 44, 34.797, 295.964.

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

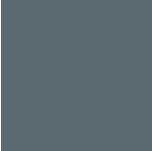
44, 34.797, 295.964

Protanopia

44, 34.345, 285.144

Deuteranopia

44, 31.548, 282.031



Tritanopia
44, 7.758, 243.184

Trichromacy



Original Color
44, 34.797, 295.964

Protanomaly
44, 34.181, 288.538

Deuteranomaly
44, 32.454, 287.360

Tritanomaly
44, 16.420, 281.033

Monochromacy



Original Color
44, 34.797, 295.964

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.217, 293.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 34.797, 295.964 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(100, 98, 156)` looks like.

```
.text, #text, p{  
    color:rgb(100, 98, 156)  
}
```

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(100, 98, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 98, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 34.797, 295.964 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(100, 98, 156) }
```

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

```
.border{ border-color:rgb(100, 98, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 98, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 98, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 98, 156);  
box-shadow:4px 4px 4px 4px rgb(100, 98,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 34.797, 295.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 98, 156) }
```

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

```
.background{ background-color: rgb(100, 98,  
156) }
```

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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