

Converting Colors

CIELCh(44, 36.729, 295.189)

Have a look what the booklet for
CIELCh(44, 36.729, 295.189)
contains.

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Color

CIELCh(44, 36.558, 295.123)

Conversions

Conversions Part 1

Format	Color
Hex	62629F
RGB	98, 98, 159
RGB Percent	38%, 38%, 62%
CMY	0.6156, 0.6156, 0.3764
CMYK	0.38, 0.38, 0.00, 0.38
HSL	240°, 24%, 50%
HSV	240°, 38%, 62%
XYZ	15.6659, 13.8382, 34.6517
YIQ	104.9540, -19.5810, 18.9710

Conversions

Conversions Part 2

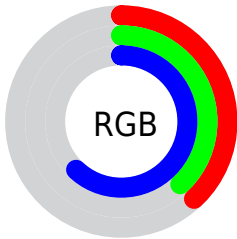
Format	Color
RYB	98, 98, 159
Decimal	6447775
CIELab	44.00, 15.52, -33.10
CIELCh	44, 36.558, 295.123
Yxy	13.8382, 0.2442, 0.2157
Android (android.graphics.Color)	4284637855 (0xFF62629F)
YUV	104.9540, 26.6447, -6.0987
Hunter-Lab	37.1997, 10.0719, -29.1890

Details

The CIELCh color $44, 36.558, 295.123$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 33.219, 106.564$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 36.308, 294.931$, and $24, 36.288, 294.944$ is the 20% darker color. If you saturate the color by 10%, you get $38, 47.059, 296.953$, and if you desaturate by 10%, it is $50, 26.465, 293.534$.

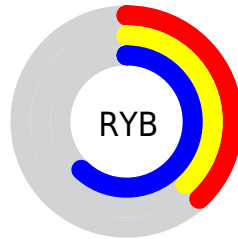
Distribution



Red (38%)

Green (38%)

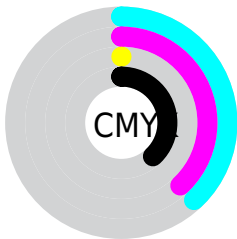
Blue (62%)



Red (38%)

Yellow (38%)

Blue (62%)

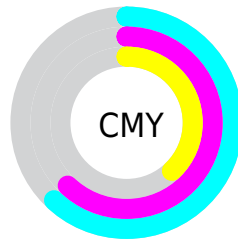


Cyan (38%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (62%)

Magenta (62%)

Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 36.558, 295.123 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, 36.558, 295.123 by changing the saturation by 10% instead.


 44, 36.558,
295.123


 44, 36.558,
295.123


 100, 36.558,
295.123


 34, 36.558,
295.123

 64, 36.558,
295.123


 24, 36.558,
295.123

 74, 36.558,
295.123

 14, 36.558,
295.123

 84, 36.558,
295.123

 4, 36.558, 295.123

 94, 36.558,
295.123

 0, 36.558, 295.123

 44, 36.558,

 44, 36.558,

295.123

■ 38, 47.059,
296.953

■ 33, 57.890,
298.999

■ 28, 68.774,
301.169

■ 24, 79.044,
303.264

■ 20, 87.471,
304.979

■ 18, 93.118,
306.110

■ 18, 94.012,
306.287

295.123

■ 50, 26.465,
293.534

■ 55, 16.786,
292.174

■ 61, 7.497, 291.020


■ 66, 1.431, 109.990

■ 72, 10.024,
109.184

■ 77, 18.307,
108.471

■ 83, 26.302,
107.857

■ 88, 34.028,
107.329

 94, 41.503,
106.871

Harmonies

Complementary

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



44, 36.558, 295.123



64, 33.219, 106.564

Rectangle

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



44, 36.558, 295.123



44, 36.558, 345.123



44, 36.558, 115.123



44, 36.558, 165.123

Sweetspot

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



44, 36.557, 295.123



75, 13.410, 291.443



62, 20.619, 197.609



39, 8.987, 291.581



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



44, 36.557, 295.123



51, 55.218, 296.666



47, 37.739, 310.941



30, 5.054, 291.114



15, 86.897, 306.287



0, 6.505, 290.178

Inverse Universe

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



50, 41.479, 326.454



61, 60.807, 326.856



62, 35.762, 127.307



31, 6.104, 324.916



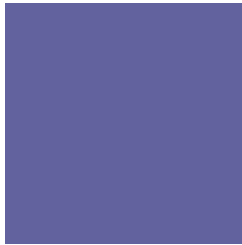
34, 75.046, 328.233



1, 7.944, 324.439

Previews

White Background



This preview shows how the CIELCh color 44, 36.558, 295.123 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, 36.558, 295.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

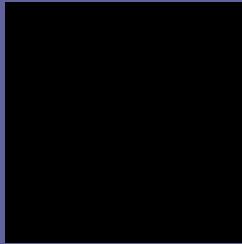
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 36.558, 295.123

Background



This preview shows how black text looks on a background with the CIELCh color 44, 36.558, 295.123.

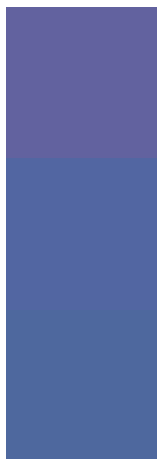


This preview shows how white text looks on a background with the CIELCh color 44, 36.558, 295.123.

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

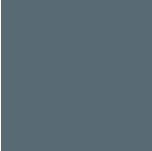
44, 36.558, 295.123

Protanopia

44, 36.114, 285.532

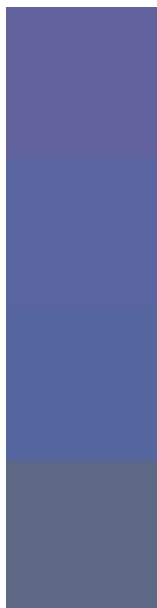
Deuteranopia

44, 32.838, 280.794



Tritanopia
44, 8.841, 236.530

Trichromacy



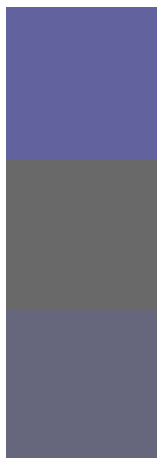
Original Color
44, 36.558, 295.123

Protanomaly
44, 35.958, 288.685

Deuteranomaly
44, 33.695, 285.808

Tritanomaly
44, 17.171, 278.097

Monochromacy



Original Color
44, 36.558, 295.123

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.804, 292.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 36.558, 295.123 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(98, 98, 159)` looks like.

```
.text, #text, p{  
    color:rgb(98, 98, 159)  
}
```

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(98, 98, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 98, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 36.558, 295.123 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(98, 98, 159) }
```

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

```
.border{ border-color:rgb(98, 98, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 98, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 98, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 98, 159);  
box-shadow:4px 4px 4px 4px rgb(98, 98,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 36.558, 295.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 98, 159) }
```

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

```
.background{ background-color: rgb(98, 98,  
159) }
```

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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