

Converting Colors

CIELCh(44, 36.649, 324.877)

Have a look what the booklet for
CIELCh(44, 36.649, 324.877)
contains.

CIELCh(44, 36.630, 325.320)	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(44, 36.630, 325.320)

Conversions

Conversions Part 1

Format	Color
Hex	89568B
RGB	137, 86, 139
RGB Percent	54%, 34%, 55%
CMY	0.4627, 0.6627, 0.4549
CMYK	0.01, 0.38, 0.00, 0.45
HSL	298°, 24%, 44%
HSV	298°, 38%, 55%
XYZ	18.3047, 13.8382, 26.1327
YIQ	107.2910, 13.3830, 27.2950

Conversions

Conversions Part 2

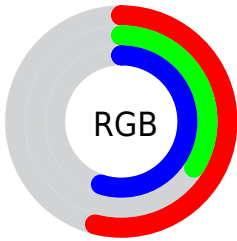
Format	Color
R_{YB}	137, 86, 139
Decimal	9000587
CIE _{Lab}	44.00, 30.12, -20.84
CIE _{LCh}	44, 36.630, 325.320
Yxy	13.8382, 0.3141, 0.2375
Android (android.graphics.Color)	4287190667 (0xFF89568B)
YUV	107.2910, 15.6325, 26.0548
Hunter-Lab	37.1997, 22.7342, -15.6112

Details

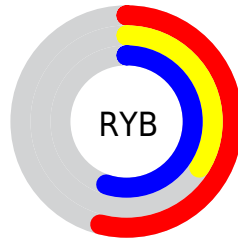
The CIELCh color $44, 36.630, 325.320$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 36.579, 140.856$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 36.618, 324.980$, and $24, 37.069, 325.368$ is the 20% darker color. If you saturate the color by 10%, you get $41, 45.661, 325.760$, and if you desaturate by 10%, it is $47, 27.153, 324.841$.

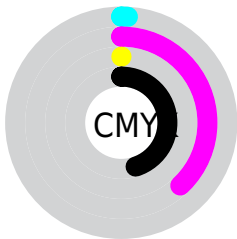
Distribution



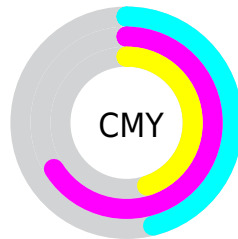
- Red (54%)
- Green (34%)
- Blue (55%)



- Red (54%)
- Yellow (34%)
- Blue (55%)



- Cyan (1%)
- Magenta (38%)
- Yellow (0%)
- Black (45%)





- Cyan (46%)
- Magenta (66%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 36.630, 325.320 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, 36.630, 325.320 by changing the saturation by 10% instead.


 44, 36.630,
325.320


 44, 36.630,
325.320


 100, 36.630,
325.320


 34, 36.630,
325.320

 64, 36.630,
325.320


 24, 36.630,
325.320

 74, 36.630,
325.320

 14, 36.630,
325.320

 84, 36.630,
325.320

 4, 36.630, 325.320

 94, 36.630,
325.320

 0, 36.630, 325.320

 44, 36.630,

 44, 36.630,

325.320

41, 45.661,
325.760

38, 53.939,
326.143

36, 61.105,
326.449

34, 66.812,
326.662

33, 70.806,
326.768

32, 73.284,
326.781

32, 73.721,
326.782

325.320

47, 27.153,
324.841

51, 17.484,
324.339

55, 7.800, 323.819

59, 1.774, 143.448

63, 11.158,
142.867

67, 20.304,
142.386

71, 29.190,
141.931

75, 37.805,
141.503

■ 79, 46.150,
141.101

Harmonies

Complementary

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



44, 36.630, 325.320



53, 36.579, 140.856

Rectangle

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



44, 36.630, 325.320



44, 36.630, 15.320



44, 36.630, 145.320



44, 36.630, 195.320

Sweetspot

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



44, 36.628, 325.320



68, 13.123, 323.983



39, 30.762, 293.089



35, 8.893, 324.045



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



44, 36.628, 325.320



53, 54.251, 325.713



43, 27.379, 344.422



27, 5.377, 323.873



30, 71.243, 326.789



0, 2.481, 323.430

Inverse Universe

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



43, 23.677, 20.017



51, 36.353, 21.506



54, 26.478, 157.577



27, 3.149, 16.824



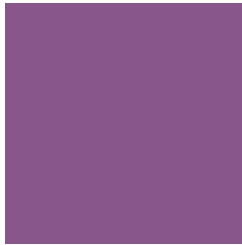
27, 61.962, 37.157



0, 1.417, 16.266

Previews

White Background



This preview shows how the CIELCh color 44, 36.630, 325.320 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, 36.630, 325.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

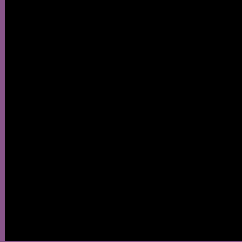
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 36.630, 325.320

Background



This preview shows how black text looks on a background with the CIELCh color 44, 36.630, 325.320.



This preview shows how white text looks on a background with the CIELCh color 44, 36.630, 325.320.

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, 36.630, 325.320

Protanopia

44, 29.510, 284.802

Deuteranopia

44, 19.791, 287.765



Tritanopia
44, 16.757, 7.464

Trichromacy



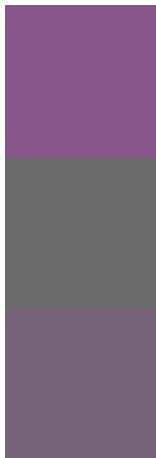
Original Color
44, 36.630, 325.320

Protanomaly
44, 30.262, 300.150

Deuteranomaly
44, 24.735, 306.241

Tritanomaly
44, 22.496, 343.346

Monochromacy



Original Color
44, 36.630, 325.320

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 14.212, 323.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 36.630, 325.320 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(137, 86, 139)` looks like.

```
.text, #text, p{  
    color:rgb(137, 86, 139)  
}
```

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(137, 86, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 86, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 36.630, 325.320 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(137, 86, 139) }
```

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

```
.border{ border-color:rgb(137, 86, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 86, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 86, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 86, 139);  
box-shadow:4px 4px 4px 4px rgb(137, 86,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 36.630, 325.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 86, 139) }
```

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

```
.background{ background-color: rgb(137, 86,  
139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor