

Converting Colors

CIELCh(44, 12.612, 293.698)

Have a look what the booklet for
CIELCh(44, 12.612, 293.698)
contains.

CIELCh(44, 12.618, 293.691)	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, 12.618, 293.691)

Conversions

Conversions Part 1

Format	Color
Hex	67667B
RGB	103, 102, 123
RGB Percent	40%, 40%, 48%
CMY	0.5958, 0.5997, 0.5173
CMYK	0.16, 0.17, 0.00, 0.52
HSL	243°, 9%, 44%
HSV	243°, 17%, 48%
XYZ	13.9416, 13.8382, 20.7012
YIQ	104.6930, -6.1450, 6.7430

Conversions

Conversions Part 2

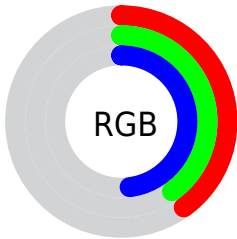
Format	Color
R_{YB}	103, 102, 123
Decimal	6776443
CIE _{Lab}	44.00, 5.07, -11.55
CIE _{LCh}	44, 12.618, 293.691
Yxy	13.8382, 0.2876, 0.2854
Android (android.graphics.Color)	4284966523 (0xFF67667B)
YUV	104.6930, 9.0254, -1.4848
Hunter-Lab	37.1997, 1.7981, -6.9544

Details

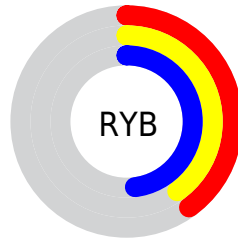
The CIELCh color `44, 12.618, 293.691` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `51, 12.155, 110.597`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 12.297, 293.178`, and `24, 12.647, 294.666` is the 20% darker color. If you saturate the color by 10%, you get `39, 20.410, 294.865`, and if you desaturate by 10%, it is `48, 5.126, 292.683`.

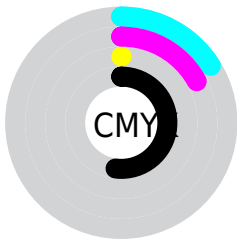
Distribution



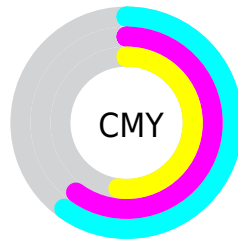
- Red (40%)
- Green (40%)
- Blue (48%)



- Red (40%)
- Yellow (40%)
- Blue (48%)



- Cyan (16%)
- Magenta (17%)
- Yellow (0%)
- Black (52%)




- Cyan (60%)
- Magenta (60%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 12.618, 293.691 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, 12.618, 293.691 by changing the saturation by 10% instead.


 44, 12.618,
293.691


 44, 12.618,
293.691


 100, 12.618,
293.691


 34, 12.618,
293.691

 64, 12.618,
293.691


 24, 12.618,
293.691

 74, 12.618,
293.691

 14, 12.618,
293.691

 84, 12.618,
293.691

 4, 12.618, 293.691

 94, 12.618,
293.691

 0, 12.618, 293.691

 44, 12.618,

 44, 12.618,

293.691

■ 39, 20.410,
294.865

■ 35, 28.522,
296.228

■ 31, 36.948,
297.789

■ 26, 45.639,
299.532

■ 22, 54.426,
301.398

■ 18, 62.907,
303.247

■ 15, 70.306,
304.848

■ 13, 76.018,
306.098

293.691

■ 48, 5.126, 292.683

■ 53, 2.083, 111.795

■ 57, 9.028, 111.065

■ 62, 15.730,
110.429

■ 66, 22.203,
109.879

■ 70, 28.464,
109.404

■ 75, 34.526,
108.992

■ 79, 40.401,
108.633

■ 83, 46.101,

■ 12, 77.750,
306.515

108.320

Harmonies

Complementary

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



44, 12.618, 293.691



51, 12.155, 110.597

Rectangle

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



44, 12.618, 293.691



44, 12.618, 343.691



44, 12.618, 113.691



44, 12.618, 163.691

Sweetspot

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



44, 12.617, 293.689



63, 4.498, 292.506



50, 7.778, 201.653



33, 3.096, 292.558



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



44, 12.617, 293.689



55, 18.514, 294.072



45, 13.356, 310.948



23, 4.084, 292.871



13, 78.602, 306.511



32, 132.591, 306.383

Inverse Universe

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



46, 14.579, 326.643



58, 21.269, 326.830



50, 13.084, 129.508



24, 4.773, 326.201



29, 65.717, 330.151



59, 110.410, 330.260

Previews

White Background



This preview shows how the CIE LCh color 44, 12.618, 293.691 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, 12.618, 293.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

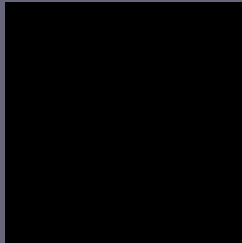
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 12.618, 293.691

Background



This preview shows how black text looks on a background with the CIELCh color 44, 12.618, 293.691.

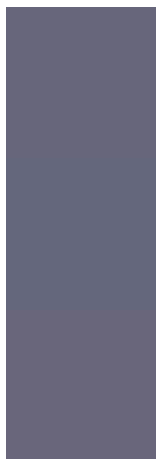


This preview shows how white text looks on a background with the CIELCh color 44, 12.618, 293.691.

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, 12.618, 293.691

Protanopia

44, 12.616, 286.818

Deuteranopia

44, 12.674, 297.149



Tritanopia
44, 4.918, 276.869

Trichromacy



Original Color
44, 12.618, 293.691

Protanomaly
44, 12.595, 288.518

Deuteranomaly
44, 12.641, 295.420

Tritanomaly
44, 7.801, 288.420

Monochromacy



Original Color
44, 12.618, 293.691

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.793, 290.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 12.618, 293.691 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(103, 102, 123)` looks like.

```
.text, #text, p{  
    color:rgb(103, 102, 123)  
}
```

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(103, 102, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 102, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 12.618, 293.691 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(103, 102, 123) }
```

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

```
.border{ border-color:rgb(103, 102, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 102, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 102, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 102, 123);  
box-shadow:4px 4px 4px 4px rgb(103, 102,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 12.618, 293.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 102, 123) }
```

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

```
.background{ background-color: rgb(103,  
102, 123) }
```

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