

Converting Colors

CIELCh(44, 70.133, 36.217)

Have a look what the booklet for
CIELCh(44, 70.133, 36.217) contains.

CIELCh(44, 70.219, 36.314)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(44, 70.219, 36.314)

Conversions

Conversions Part 1

Format	Color
Hex	C33126
RGB	195, 49, 38
RGB Percent	76%, 19%, 15%
CMY	0.2371, 0.8096, 0.8522
CMYK	0.00, 0.75, 0.81, 0.24
HSL	4°, 68%, 46%
HSV	4°, 81%, 76%
XYZ	23.8120, 13.8382, 3.2224
YIQ	91.4000, 90.5470, 27.5310

Conversions

Conversions Part 2

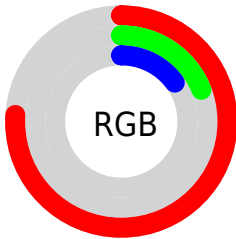
Format	Color
RYB	195, 50, 38
Decimal	12792102
CIELab	44.00, 56.58, 41.58
CIElCh	44, 70.219, 36.314
Yxy	13.8382, 0.5826, 0.3386
Android (android.graphics.Color)	4290982182 (0xFFC33126)
YUV	91.4000, -26.3262, 90.8572
Hunter-Lab	37.1997, 49.1603, 20.9038

Details

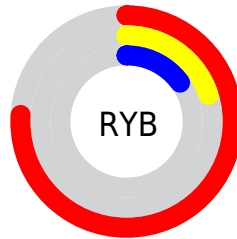
The CIELCh color **44, 70.219, 36.314** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **68, 36.070, 206.410**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 68.674, 36.119**, and **27, 63.287, 38.681** is the 20% darker color. If you saturate the color by 10%, you get **42, 78.558, 38.811**, and if you desaturate by 10%, it is **47, 60.696, 33.728**.

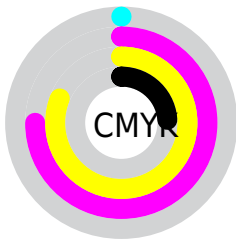
Distribution



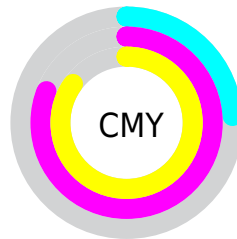
- Red (76%)
- Green (19%)
- Blue (15%)



- Red (76%)
- Yellow (20%)
- Blue (15%)



- Cyan (0%)
- Magenta (75%)
- Yellow (81%)
- Black (24%)



- Cyan (24%)
- Magenta (81%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 70.219, 36.314 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, 70.219, 36.314 by changing the saturation by 10% instead.

 44, 70.219, 36.314

 44, 70.219, 36.314

 100, 70.219,
36.314

 34, 70.219, 36.314

 64, 70.219, 36.314

 24, 70.219, 36.314

 74, 70.219, 36.314

 14, 70.219, 36.314

 84, 70.219, 36.314

 4, 70.219, 36.314

 94, 70.219, 36.314

 0, 70.219, 36.314

 44, 70.219, 36.314

 44, 70.219, 36.314

 42, 78.558, 38.811

 47, 60.696, 33.728

 41, 84.347, 40.703

 50, 50.881, 31.490

■ 54, 41.203, 29.703

■ 58, 31.909, 28.332

■ 63, 23.144, 27.302

■ 68, 14.974, 26.534

■ 73, 7.409, 25.948

■ 78, 0.424, 24.343

■ 84, 6.025, 205.442

Harmonies

Complementary

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



44, 70.219, 36.314



68, 36.070, 206.410

Rectangle

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



44, 70.219, 36.314



44, 70.219, 86.314



44, 70.219, 216.314



44, 70.219, 266.314

Sweetspot

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



44, 70.216, 36.316



84, 21.850, 26.795



47, 84.318, 330.427



43, 15.356, 27.078



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 70.216, 36.316



53, 101.182, 40.079



59, 58.753, 70.838



38, 3.917, 25.880



34, 72.785, 40.673



3, 13.381, 23.378

Inverse Universe

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



68, 36.070, 206.410



85, 45.419, 208.134



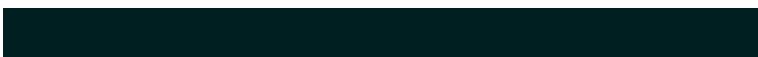
45, 53.650, 282.174



40, 3.689, 205.415



56, 32.507, 208.096



10, 11.517, 205.348

Previews

White Background



This preview shows how the CIELCh color 44, 70.219, 36.314 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 CIELCh color 44, 70.219, 36.314 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, 70.219, 36.314

Background



This preview shows how black text looks on a background with the CIELCh color 44, 70.219, 36.314.



This preview shows how white text looks on a background with the CIELCh color 44, 70.219, 36.314.

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, 70.219, 36.314

Protanopia

44, 30.689, 95.883

Deuteranopia

44, 45.124, 83.139



Tritanopia
44, 67.857, 31.932

Trichromacy



Original Color
44, 70.219, 36.314

Protanomaly
42, 38.816, 55.631

Deuteranomaly
43, 50.169, 57.399

Tritanomaly
44, 68.733, 33.804

Monochromacy



Original Color
44, 70.219, 36.314

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 24.989, 28.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 70.219, 36.314 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(195, 49, 38)` looks like.

```
.text, #text, p{  
    color:rgb(195, 49, 38)  
}
```

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(195, 49, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 49, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 70.219, 36.314 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(195, 49, 38) }
```

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

```
.border{ border-color:rgb(195, 49, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 49, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 49, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 49, 38);  
box-shadow:4px 4px 4px 4px rgb(195, 49,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 70.219, 36.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 49, 38) }
```

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

```
.background{ background-color: rgb(195, 49,  
38) }
```

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