

Converting Colors

CIELCh(44, 73.368, 33.993)

Have a look what the booklet for
CIELCh(44, 73.368, 33.993) contains.

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Color

CIELCh(44, 73.196, 34.174)

Conversions

Conversions Part 1

Format	Color
Hex	C72827
RGB	199, 40, 39
RGB Percent	78%, 16%, 15%
CMY	0.2190, 0.8424, 0.8467
CMYK	0.00, 0.80, 0.80, 0.22
HSL	0°, 67%, 47%
HSV	0°, 80%, 78%
XYZ	24.7246, 13.8382, 3.2964
YIQ	87.4270, 95.0850, 33.3970

Conversions

Conversions Part 2

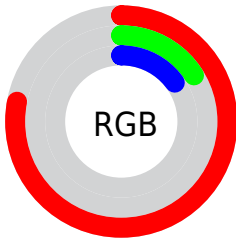
Format	Color
R _Y B	199, 40, 39
Decimal	13051943
CIE Lab	44.00, 60.56, 41.11
CIE LCh	44, 73.196, 34.174
Yxy	13.8382, 0.5907, 0.3306
Android (android.graphics.Color)	4291242023 (0xFFC72827)
YUV	87.4270, -23.8745, 97.8495
Hunter-Lab	37.1997, 53.5393, 20.7860

Details

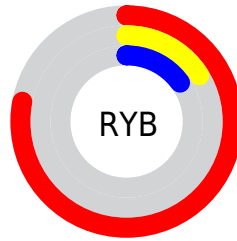
The CIELCh color **44, 73.196, 34.174** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **73, 39.348, 197.400**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 69.894, 34.398**, and **27, 64.464, 38.843** is the 20% darker color. If you saturate the color by 10%, you get **42, 81.219, 37.535**, and if you desaturate by 10%, it is **47, 63.780, 30.789**.

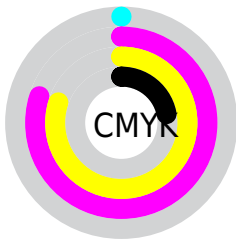
Distribution



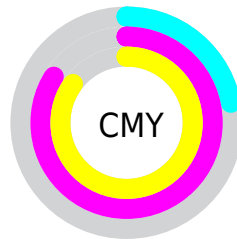
- Red (78%)
- Green (16%)
- Blue (15%)



- Red (78%)
- Yellow (16%)
- Blue (15%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (22%)



- Cyan (22%)
- Magenta (84%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 73.196, 34.174 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, 73.196, 34.174 by changing the saturation by 10% instead.

 44, 73.196, 34.174

 44, 73.196, 34.174

 100, 73.196,
34.174

 34, 73.196, 34.174

 64, 73.196, 34.174

 24, 73.196, 34.174

 74, 73.196, 34.174

 14, 73.196, 34.174

 84, 73.196, 34.174

 4, 73.196, 34.174

 94, 73.196, 34.174

 0, 73.196, 34.174

 44, 73.196, 34.174

 44, 73.196, 34.174

 42, 81.219, 37.535

 47, 63.780, 30.789

 42, 86.720, 40.064

 50, 53.838, 27.892

■ 54, 43.821, 25.581

■ 59, 34.042, 23.794

■ 64, 24.713, 22.426

■ 69, 15.953, 21.374

■ 75, 7.806, 20.541

■ 80, 0.265, 17.916

■ 86, 6.707, 199.596

Harmonies

Complementary

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



44, 73.196, 34.174



73, 39.348, 197.400

Rectangle

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



44, 73.196, 34.174



44, 73.196, 84.174



44, 73.196, 214.174



44, 73.196, 264.174

Sweetspot

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



44, 73.193, 34.176



84, 23.337, 21.762



49, 89.810, 328.012



42, 16.254, 22.149



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, 73.193, 34.176



54, 102.501, 39.260



58, 59.764, 64.871



39, 4.250, 20.465



34, 74.552, 39.866



3, 15.817, 19.755

Inverse Universe

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



73, 39.348, 197.400



91, 49.440, 197.422



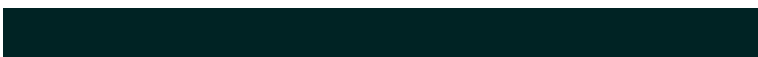
49, 48.584, 275.615



41, 4.006, 199.564



60, 35.547, 197.419



12, 12.887, 197.189

Previews

White Background



This preview shows how the CIELCh color 44, 73.196, 34.174 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, 73.196, 34.174 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, 73.196, 34.174

Background



This preview shows how black text looks on a background with the CIELCh color 44, 73.196, 34.174.



This preview shows how white text looks on a background with the CIELCh color 44, 73.196, 34.174.

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, 73.196, 34.174

Protanopia

44, 28.533, 95.524

Deuteranopia

44, 44.755, 83.031



Tritanopia
44, 72.921, 33.812

Trichromacy



Original Color
44, 73.196, 34.174

Protanomaly
42, 38.404, 50.829

Deuteranomaly
42, 50.606, 54.844

Tritanomaly
44, 72.921, 33.812

Monochromacy



Original Color
44, 73.196, 34.174

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 26.699, 25.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 73.196, 34.174 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(199, 40, 39)` looks like.

```
.text, #text, p{  
    color:rgb(199, 40, 39)  
}
```

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(199, 40, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 40, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 73.196, 34.174 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(199, 40, 39) }
```

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

```
.border{ border-color:rgb(199, 40, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 40, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 40, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 40, 39);  
box-shadow:4px 4px 4px 4px rgb(199, 40,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 73.196, 34.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 40, 39) }
```

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

```
.background{ background-color: rgb(199, 40,  
39) }
```

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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