

Converting Colors

CIELCh(44, 68.918, 32.453)

Have a look what the booklet for
CIELCh(44, 68.918, 32.453) contains.

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Color

CIELCh(44, 68.991, 32.581)

Conversions

Conversions Part 1

Format	Color
Hex	C42E2E
RGB	196, 46, 46
RGB Percent	77%, 18%, 18%
CMY	0.2322, 0.8205, 0.8202
CMYK	0.00, 0.77, 0.77, 0.23
HSL	360°, 62%, 47%
HSV	360°, 77%, 77%
XYZ	24.1656, 13.8382, 3.9660
YIQ	90.8500, 89.4000, 31.8000

Conversions

Conversions Part 2

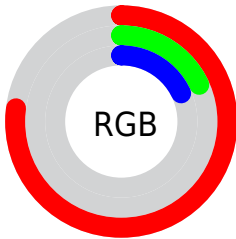
Format	Color
RYB	196, 46, 46
Decimal	12856878
CIELab	44.00, 58.13, 37.15
CIElCh	44, 68.991, 32.581
Yxy	13.8382, 0.5758, 0.3297
Android (android.graphics.Color)	4291046958 (0xFFC42E2E)
YUV	90.8500, -22.1110, 92.2166
Hunter-Lab	37.1997, 50.8571, 19.7186

Details

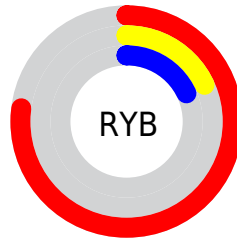
The CIELCh color **44, 68.991, 32.581** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **72, 38.474, 196.516**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.161, 32.232**, and **27, 63.680, 38.737** is the 20% darker color. If you saturate the color by 10%, you get **42, 77.520, 36.147**, and if you desaturate by 10%, it is **47, 59.474, 29.273**.

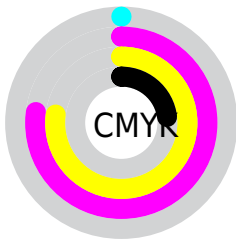
Distribution



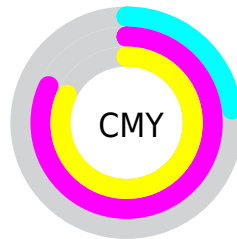
- Red (77%)
- Green (18%)
- Blue (18%)



- Red (77%)
- Yellow (18%)
- Blue (18%)



- Cyan (0%)
- Magenta (77%)
- Yellow (77%)
- Black (23%)



- Cyan (23%)
- Magenta (82%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 68.991, 32.581 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, 68.991, 32.581 by changing the saturation by 10% instead.

 44, 68.991, 32.581

 44, 68.991, 32.581

 100, 68.991,
32.581

 34, 68.991, 32.581

 64, 68.991, 32.581

 24, 68.991, 32.581

 74, 68.991, 32.581

 14, 68.991, 32.581

 84, 68.991, 32.581

 4, 68.991, 32.581

 94, 68.991, 32.581

 0, 68.991, 32.581

 44, 68.991, 32.581

 44, 68.991, 32.581

 42, 77.520, 36.147

 47, 59.474, 29.273

 41, 83.784, 39.063

 51, 49.607, 26.538

41, 85.693, 39.984

55, 39.769, 24.389

60, 30.238, 22.735

65, 21.195, 21.466

70, 12.732, 20.482

75, 4.875, 19.666

81, 2.396, 199.421

87, 9.122, 198.795

Harmonies

Complementary

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



44, 68.991, 32.581



72, 38.474, 196.516

Rectangle

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



44, 68.991, 32.581



44, 68.991, 82.581



44, 68.991, 212.581



44, 68.991, 262.581

Sweetspot

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



44, 68.988, 32.583



84, 22.420, 21.119



49, 86.424, 327.374



43, 15.735, 21.512



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, 68.988, 32.583



54, 100.201, 38.273



57, 56.272, 64.009



38, 4.187, 19.886



33, 73.711, 39.707



3, 13.999, 19.382

Inverse Universe

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



44, 68.988, 32.583



54, 100.201, 38.273



50, 44.536, 272.168



38, 4.187, 19.886



33, 73.711, 39.707



3, 13.999, 19.382

Previews

White Background



This preview shows how the CIELCh color 44, 68.991, 32.581 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, 68.991, 32.581 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, 68.991, 32.581

Background



This preview shows how black text looks on a background with the CIELCh color 44, 68.991, 32.581.



This preview shows how white text looks on a background with the CIELCh color 44, 68.991, 32.581.

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, 68.991, 32.581

Protanopia

44, 24.571, 95.667

Deuteranopia

44, 40.447, 82.275



Tritanopia
44, 68.723, 32.172

Trichromacy



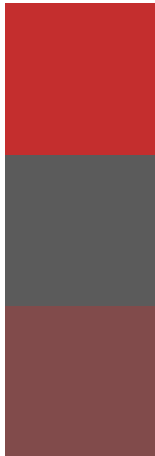
Original Color
44, 68.991, 32.581

Protanomaly
42, 34.583, 48.794

Deuteranomaly
43, 46.595, 53.046

Tritanomaly
44, 68.723, 32.172

Monochromacy



Original Color
44, 68.991, 32.581

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 24.918, 23.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 68.991, 32.581 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(196, 46, 46)` looks like.

```
.text, #text, p{  
    color:rgb(196, 46, 46)  
}
```

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(196, 46, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 46, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 68.991, 32.581 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(196, 46, 46) }
```

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

```
.border{ border-color:rgb(196, 46, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 46, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 46, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 46, 46);  
box-shadow:4px 4px 4px 4px rgb(196, 46,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 68.991, 32.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 46, 46) }
```

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

```
.background{ background-color: rgb(196, 46,  
46) }
```

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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