

Converting Colors

CIELCh(44, 69.512, 32.472)

Have a look what the booklet for
CIELCh(44, 69.512, 32.472) contains.

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Color

CIELCh(44, 69.189, 32.357)

Conversions

Conversions Part 1

Format	Color
Hex	C42D2E
RGB	196, 45, 46
RGB Percent	77%, 18%, 18%
CMY	0.2309, 0.8230, 0.8192
CMYK	0.00, 0.77, 0.76, 0.23
HSL	360°, 63%, 47%
HSV	360°, 77%, 77%
XYZ	24.2371, 13.8382, 3.9879
YIQ	90.2630, 89.6750, 32.3230

Conversions

Conversions Part 2

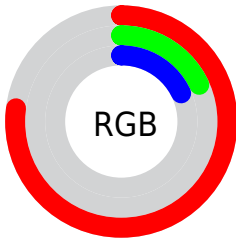
Format	Color
RYB	196, 45, 46
Decimal	12856622
CIELab	44.00, 58.45, 37.03
CIELCh	44, 69.189, 32.357
Yxy	13.8382, 0.5762, 0.3290
Android (android.graphics.Color)	4291046702 (0xFFC42D2E)
YUV	90.2630, -21.8217, 92.7313
Hunter-Lab	37.1997, 51.2002, 19.6838

Details

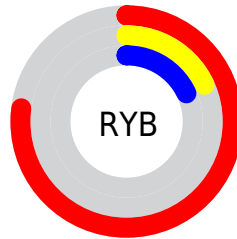
The CIELCh color **44, 69.189, 32.357** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **72, 38.724, 195.778**, and the grayscale version is **38, 0.005, 296.813**.

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, 77.645, 35.983**, and if you desaturate by 10%, it is **47, 59.742, 29.000**.

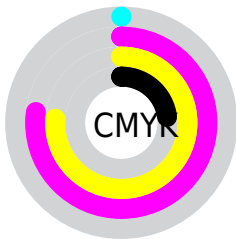
Distribution



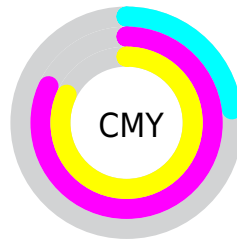
- Red (77%)
- Green (18%)
- Blue (18%)



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



- Cyan (0%)
- Magenta (77%)
- Yellow (76%)
- Black (23%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 69.189, 32.357 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, 69.189, 32.357 by changing the saturation by 10% instead.

 44, 69.189, 32.357

 44, 69.189, 32.357

 100, 69.189,
32.357

 34, 69.189, 32.357

 64, 69.189, 32.357

 24, 69.189, 32.357

 74, 69.189, 32.357

 14, 69.189, 32.357

 84, 69.189, 32.357

 4, 69.189, 32.357

 94, 69.189, 32.357

 0, 69.189, 32.357

 44, 69.189, 32.357

 44, 69.189, 32.357

 42, 77.645, 35.983

 47, 59.742, 29.000

 41, 83.868, 38.956

 50, 49.923, 26.223

41, 85.541, 39.759

55, 40.110, 24.039

59, 30.583, 22.354

65, 21.528, 21.059

70, 13.044, 20.052

75, 5.158, 19.220

81, 2.144, 198.976

87, 8.903, 198.306

Harmonies

Complementary

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



44, 69.189, 32.357



72, 38.724, 195.778

Rectangle

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



44, 69.189, 32.357



44, 69.189, 82.357



44, 69.189, 212.357



44, 69.189, 262.357

Sweetspot

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



44, 69.186, 32.359



84, 22.404, 20.666



49, 86.771, 327.381



43, 15.722, 21.065



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, 69.186, 32.359



54, 99.921, 38.056



57, 56.632, 63.951



38, 4.187, 19.413



33, 73.478, 39.473



3, 14.001, 19.062

Inverse Universe

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



44, 69.186, 32.359



54, 99.921, 38.056



50, 44.798, 272.323



38, 4.187, 19.413



33, 73.478, 39.473



3, 14.001, 19.062

Previews

White Background



This preview shows how the CIELCh color 44, 69.189, 32.357 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, 69.189, 32.357 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, 69.189, 32.357

Background



This preview shows how black text looks on a background with the CIELCh color 44, 69.189, 32.357.



This preview shows how white text looks on a background with the CIELCh color 44, 69.189, 32.357.

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, 69.189, 32.357

Protanopia

44, 24.571, 95.667

Deuteranopia

44, 40.447, 82.275



Tritanopia
44, 69.189, 32.357

Trichromacy



Original Color
44, 69.189, 32.357

Protanomaly
42, 35.020, 48.486

Deuteranomaly
43, 46.595, 53.046

Tritanomaly
44, 69.189, 32.357

Monochromacy



Original Color
44, 69.189, 32.357

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 25.443, 23.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 69.189, 32.357 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, 45, 46)` looks like.

```
.text, #text, p{  
    color:rgb(196, 45, 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, 45, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 45, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 69.189, 32.357 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, 45, 46) }
```

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

```
.border{ border-color:rgb(196, 45, 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, 45, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 45, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 45, 46);  
box-shadow:4px 4px 4px 4px rgb(196, 45,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 69.189, 32.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 45, 46) }
```

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

```
.background{ background-color: rgb(196, 45,  
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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