

Converting Colors

CIELCh(45, 71.721, 34.908)

Have a look what the booklet for
CIELCh(45, 71.721, 34.908) contains.

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Color

CIELCh(45, 71.751, 34.893)

Conversions

Conversions Part 1

Format	Color
Hex	C82F29
RGB	200, 47, 41
RGB Percent	78%, 18%, 16%
CMY	0.2145, 0.8144, 0.8384
CMYK	0.00, 0.76, 0.79, 0.21
HSL	2°, 66%, 47%
HSV	2°, 79%, 79%
XYZ	25.3348, 14.5417, 3.5893
YIQ	92.0630, 93.1140, 30.5700

Conversions

Conversions Part 2

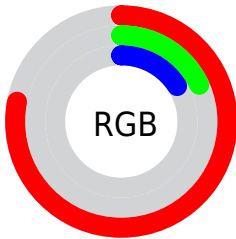
Format	Color
RYB	200, 47, 41
Decimal	13119273
CIELab	45.00, 58.85, 41.04
CIElCh	45, 71.751, 34.893
Yxy	14.5417, 0.5829, 0.3346
Android (android.graphics.Color)	4291309353 (0xFFC82F29)
YUV	92.0630, -25.1741, 94.6607
Hunter-Lab	38.1336, 51.8560, 21.1130

Details

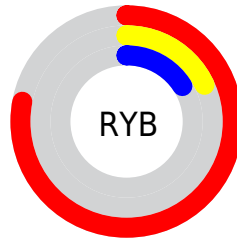
The CIELCh color **45, 71.751, 34.893** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **72, 37.923, 201.743**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 67.886, 34.957**, and **28, 65.243, 38.943** is the 20% darker color. If you saturate the color by 10%, you get **43, 80.269, 37.866**, and if you desaturate by 10%, it is **48, 62.050, 31.939**.

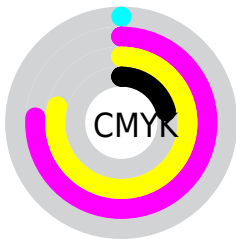
Distribution



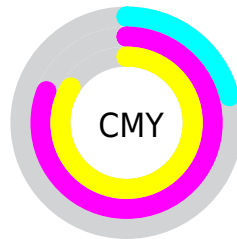
- Red (78%)
- Green (18%)
- Blue (16%)



- Red (78%)
- Yellow (18%)
- Blue (16%)



- Cyan (0%)
- Magenta (76%)
- Yellow (79%)
- Black (21%)



- Cyan (21%)
- Magenta (81%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 71.751, 34.893 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 45, 71.751, 34.893 by changing the saturation by 10% instead.

 45, 71.751, 34.893

 45, 71.751, 34.893

 100, 71.751,
34.893

 35, 71.751, 34.893

 65, 71.751, 34.893

 25, 71.751, 34.893

 75, 71.751, 34.893

 15, 71.751, 34.893

 85, 71.751, 34.893

 5, 71.751, 34.893

 95, 71.751, 34.893

 0, 71.751, 34.893

 45, 71.751, 34.893

 45, 71.751, 34.893

 43, 80.269, 37.866

 48, 62.050, 31.939

 42, 86.340, 40.205

 51, 51.999, 29.423

42, 86.673, 40.365

55, 42.025, 27.424

60, 32.399, 25.885

65, 23.289, 24.716

70, 14.778, 23.827

76, 6.887, 23.127

81, 0.405, 204.087

87, 7.141, 202.421

Harmonies

Complementary

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



45, 71.751, 34.893



72, 37.923, 201.743

Rectangle

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



45, 71.751, 34.893



45, 71.751, 84.893



45, 71.751, 214.893



45, 71.751, 264.893

Sweetspot

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



45, 71.748, 34.895



84, 22.653, 24.234



49, 87.656, 329.153



43, 15.785, 24.570



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 71.748, 34.895



54, 101.468, 39.404



59, 59.267, 68.025



39, 4.120, 23.124



34, 74.119, 40.287



4, 15.507, 21.448

Inverse Universe

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



72, 37.923, 201.743



88, 47.369, 202.490



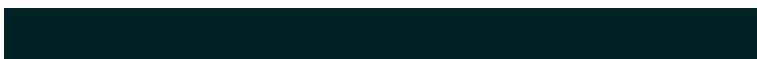
48, 51.100, 278.650



41, 3.881, 202.433



59, 34.074, 202.587



11, 12.461, 201.158

Previews

White Background



This preview shows how the CIELCh color 45, 71.751, 34.893 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 45, 71.751, 34.893 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 45, 71.751, 34.893

Background



This preview shows how black text looks on a background with the CIELCh color 45, 71.751, 34.893.



This preview shows how white text looks on a background with the CIELCh color 45, 71.751, 34.893.

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

45, 71.751, 34.893

Protanopia

45, 29.003, 95.714

Deuteranopia

45, 44.592, 82.512



Tritanopia
45, 70.304, 32.388

Trichromacy



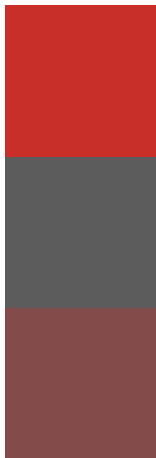
Original Color
45, 71.751, 34.893

Protanomaly
43, 37.949, 52.716

Deuteranomaly
44, 50.199, 55.627

Tritanomaly
45, 70.842, 33.174

Monochromacy



Original Color
45, 71.751, 34.893

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 25.597, 26.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 71.751, 34.893 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(200, 47, 41)` looks like.

```
.text, #text, p{  
    color:rgb(200, 47, 41)  
}
```

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(200, 47, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 47, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 71.751, 34.893 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(200, 47, 41) }
```

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

```
.border{ border-color:rgb(200, 47, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 47, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 47, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 47, 41);  
box-shadow:4px 4px 4px 4px rgb(200, 47,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 71.751, 34.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 47, 41) }
```

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

```
.background{ background-color: rgb(200, 47,  
41) }
```

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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