

Converting Colors

CIELCh(50, 75.924, 31.210)

Have a look what the booklet for
CIELCh(50, 75.924, 31.210) contains.

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Color

CIELCh(50, 75.935, 31.217)

Conversions

Conversions Part 1

Format	Color
Hex	DF3338
RGB	223, 51, 56
RGB Percent	87%, 20%, 22%
CMY	0.1243, 0.7987, 0.7796
CMYK	0.00, 0.77, 0.75, 0.12
HSL	358°, 73%, 54%
HSV	358°, 77%, 88%
XYZ	32.4402, 18.4187, 5.6136
YIQ	102.9980, 100.9070, 38.0190

Conversions

Conversions Part 2

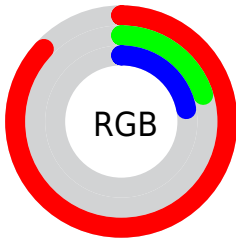
Format	Color
R _Y B	223, 51, 56
Decimal	14627640
CIE Lab	50.00, 64.94, 39.36
CIE LCh	50, 75.935, 31.217
Yxy	18.4187, 0.5744, 0.3262
Android (android.graphics.Color)	4292817720 (0xFFDF3338)
YUV	102.9980, -23.1700, 105.2418
Hunter-Lab	42.9170, 59.8204, 22.2866

Details

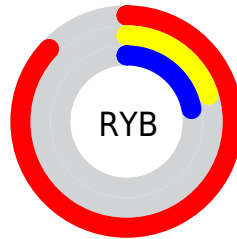
The CIELCh color **50, 75.935, 31.217** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **81, 43.405, 193.022**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 62.514, 30.414**, and **33, 69.990, 36.238** is the 20% darker color. If you saturate the color by 10%, you get **48, 85.073, 35.096**, and if you desaturate by 10%, it is **53, 65.742, 27.692**.

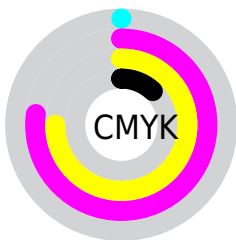
Distribution



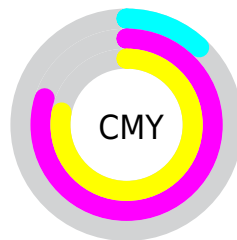
- Red (87%)
- Green (20%)
- Blue (22%)



- Red (87%)
- Yellow (20%)
- Blue (22%)



- Cyan (0%)
- Magenta (77%)
- Yellow (75%)
- Black (12%)



- Cyan (12%)
- Magenta (80%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 75.935, 31.217 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 50, 75.935, 31.217 by changing the saturation by 10% instead.

■ 50, 75.935, 31.217

■ 50, 75.935, 31.217

■ 100, 75.935,
31.217

■ 40, 75.935, 31.217

■ 70, 75.935, 31.217

■ 30, 75.935, 31.217

■ 80, 75.935, 31.217

■ 20, 75.935, 31.217

■ 90, 75.935, 31.217

■ 10, 75.935, 31.217

■ 0, 75.935, 31.217

■ 50, 75.935, 31.217

■ 50, 75.935, 31.217

■ 48, 85.073, 35.096

■ 53, 65.742, 27.692

■ 47, 91.934, 38.436

■ 57, 55.084, 24.794

■ 47, 93.425, 39.088

■ 62, 44.363, 22.516

67, 33.897, 20.753

73, 23.907, 19.388

79, 14.514, 18.317

85, 5.761, 17.426

91, 2.362, 197.121

97, 9.894, 196.396

Harmonies

Complementary

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



50, 75.935, 31.217



81, 43.405, 193.022

Rectangle

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



50, 75.935, 31.217



50, 75.935, 81.217



50, 75.935, 211.217



50, 75.935, 261.217

Sweetspot

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



50, 75.932, 31.219



84, 22.359, 18.947



55, 96.028, 326.834



43, 15.680, 19.364



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 75.932, 31.219



54, 98.791, 37.147



64, 63.101, 62.363



44, 4.727, 17.638



36, 77.875, 38.785



6, 25.473, 19.749

Inverse Universe

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



50, 75.932, 31.219



54, 98.791, 37.147



58, 48.417, 270.663



44, 4.727, 17.638



36, 77.875, 38.785



6, 25.473, 19.749

Previews

White Background



This preview shows how the CIELCh color 50, 75.935, 31.217 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 50, 75.935, 31.217 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 75.935, 31.217

Background



This preview shows how black text looks on a background with the CIELCh color 50, 75.935, 31.217.



This preview shows how white text looks on a background with the CIELCh color 50, 75.935, 31.217.

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

50, 75.935, 31.217

Protanopia

50, 24.612, 96.354

Deuteranopia

50, 42.658, 81.532



Tritanopia
50, 76.518, 32.500

Trichromacy



Original Color
50, 75.935, 31.217

Protanomaly
48, 36.674, 45.852

Deuteranomaly
48, 50.013, 51.259

Tritanomaly
50, 76.257, 32.141

Monochromacy



Original Color
50, 75.935, 31.217

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 28.306, 21.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 75.935, 31.217 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(223, 51, 56)` looks like.

```
.text, #text, p{  
    color:rgb(223, 51, 56)  
}
```

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(223, 51, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 51, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 75.935, 31.217 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(223, 51, 56) }
```

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

```
.border{ border-color:rgb(223, 51, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 51, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 51, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 51, 56);  
box-shadow:4px 4px 4px 4px rgb(223, 51,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 75.935, 31.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 51, 56) }
```

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

```
.background{ background-color: rgb(223, 51,  
56) }
```

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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