

Converting Colors

CIELCh(53, 71.307, 23.633)

Have a look what the booklet for
CIELCh(53, 71.307, 23.633) contains.

CIELCh(53, 71.173, 23.313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 71.173, 23.313)

Conversions

Conversions Part 1

Format	Color
Hex	E73D52
RGB	231, 61, 82
RGB Percent	91%, 24%, 32%
CMY	0.0926, 0.7592, 0.6773
CMYK	0.00, 0.73, 0.64, 0.09
HSL	353°, 78%, 57%
HSV	353°, 73%, 91%
XYZ	36.3031, 21.0462, 10.1884
YIQ	114.2240, 94.5790, 42.5710

Conversions

Conversions Part 2

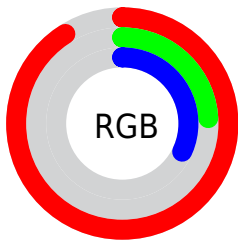
Format	Color
R _Y B	231, 61, 82
Decimal	15154514
CIE Lab	53.00, 65.36, 28.17
CIE LCh	53, 71.173, 23.313
Yxy	21.0462, 0.5375, 0.3116
Android (android.graphics.Color)	4293344594 (0xFFE73D52)
YUV	114.2240, -15.8864, 102.4126
Hunter-Lab	45.8761, 60.9691, 18.9458

Details

The CIELCh color **53, 71.173, 23.313** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **83, 46.964, 182.600**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 55.302, 20.420**, and **35, 66.632, 26.987** is the 20% darker color. If you saturate the color by 10%, you get **50, 79.817, 27.605**, and if you desaturate by 10%, it is **57, 61.637, 19.777**.

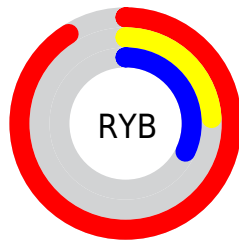
Distribution



Red (91%)

Green (24%)

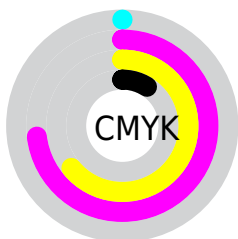
Blue (32%)



Red (91%)

Yellow (24%)

Blue (32%)

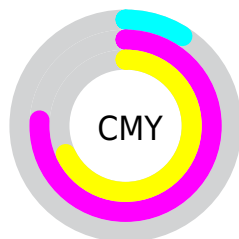


Cyan (0%)

Magenta (73%)

Yellow (64%)

Black (9%)



Cyan (9%)


Magenta (76%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 71.173, 23.313 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 53, 71.173, 23.313 by changing the saturation by 10% instead.


 53, 71.173, 23.313


 53, 71.173, 23.313

 100, 71.173,
23.313


 43, 71.173, 23.313


 73, 71.173, 23.313

 33, 71.173, 23.313

 83, 71.173, 23.313


 23, 71.173, 23.313


 93, 71.173, 23.313

 13, 71.173, 23.313

 3, 71.173, 23.313

 0, 71.173, 23.313

 53, 71.173, 23.313

 53, 71.173, 23.313

 50, 79.817, 27.605

 57, 61.637, 19.777

 49, 87.337, 32.382

 61, 51.528, 16.967

48, 91.571, 35.308

66, 41.207, 14.759

71, 31.002, 13.017

77, 21.144, 11.620

83, 11.769, 10.472

90, 2.934, 9.390

96, 5.355, 188.921

98, 8.060, 198.978

Harmonies

Complementary

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



53, 71.173, 23.313



83, 46.964, 182.600

Rectangle

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



53, 71.173, 23.313



53, 71.173, 73.313



53, 71.173, 203.313



53, 71.173, 253.313

Sweetspot

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



53, 71.170, 23.315



85, 21.367, 11.454



55, 95.838, 323.506



44, 14.472, 11.796



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 71.170, 23.315



55, 90.128, 29.970



63, 63.179, 54.103



45, 4.870, 10.056



37, 74.712, 34.478



6, 26.773, 16.660

Inverse Universe

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



53, 71.170, 23.315



55, 90.128, 29.970



66, 41.348, 255.677



45, 4.870, 10.056



37, 74.712, 34.478



6, 26.773, 16.660

Previews

White Background



This preview shows how the CIELCh color 53, 71.173, 23.313 looks on a white 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

Black Background



This preview shows how the CIELCh color 53, 71.173, 23.313 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 53, 71.173, 23.313

Background



This preview shows how black text looks on a background with the CIELCh color 53, 71.173, 23.313.



This preview shows how white text looks on a background with the CIELCh color 53, 71.173, 23.313.

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

53, 71.173, 23.313

Protanopia

53, 10.650, 95.143

Deuteranopia

53, 32.016, 77.111



Tritanopia
53, 73.618, 30.218

Trichromacy



Original Color
53, 71.173, 23.313

Protanomaly
51, 29.338, 27.457

Deuteranomaly
51, 42.236, 41.556

Tritanomaly
53, 72.470, 27.584

Monochromacy



Original Color
53, 71.173, 23.313

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 26.542, 14.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 71.173, 23.313 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(231, 61, 82)` looks like.

```
.text, #text, p{  
    color:rgb(231, 61, 82)  
}
```

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(231, 61, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 61, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 71.173, 23.313 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(231, 61, 82) }
```

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

```
.border{ border-color:rgb(231, 61, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 61, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 61, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 61, 82);  
box-shadow:4px 4px 4px 4px rgb(231, 61,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 71.173, 23.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 61, 82) }
```

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

```
.background{ background-color: rgb(231, 61,  
82) }
```

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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