

Converting Colors

CIELCh(53, 92.202, 41.740)

Have a look what the booklet for
CIELCh(53, 92.202, 41.740) contains.

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Color

CIELCh(53, 92.123, 41.833)

Conversions

Conversions Part 1

Format	Color
Hex	F03410
RGB	240, 52, 16
RGB Percent	94%, 20%, 6%
CMY	0.0584, 0.7956, 0.9369
CMYK	0.00, 0.78, 0.93, 0.06
HSL	10°, 88%, 50%
HSV	10°, 93%, 94%
XYZ	37.2961, 21.0462, 2.5906
YIQ	104.1080, 123.6040, 28.6600

Conversions

Conversions Part 2

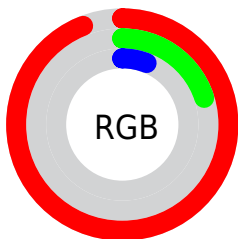
Format	Color
R _Y B	240, 59, 16
Decimal	15741968
CIE Lab	53.00, 68.64, 61.44
CIE LCh	53, 92.123, 41.833
Yxy	21.0462, 0.6121, 0.3454
Android (android.graphics.Color)	4293932048 (0xFFFF03410)
YUV	104.1080, -43.4372, 119.1773
Hunter-Lab	45.8761, 64.8327, 28.7653

Details

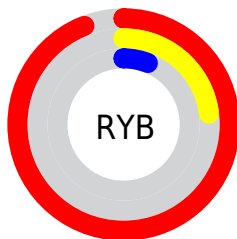
The CIELCh color **53, 92.123, 41.833** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **76, 41.263, 225.501**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 71.616, 44.527**, and **36, 78.442, 39.934** is the 20% darker color. If you saturate the color by 10%, you get **52, 96.728, 42.088**, and if you desaturate by 10%, it is **55, 82.728, 40.839**.

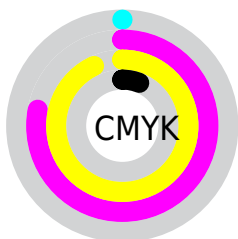
Distribution



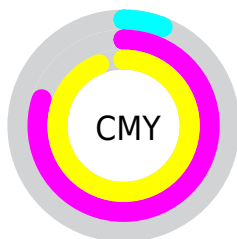
- Red (94%)
- Green (20%)
- Blue (6%)



- Red (94%)
- Yellow (23%)
- Blue (6%)



- Cyan (0%)
- Magenta (78%)
- Yellow (93%)
- Black (6%)



- Cyan (6%)
- Magenta (80%)
- Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 92.123, 41.833 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, 92.123, 41.833 by changing the saturation by 10% instead.

 53, 92.123, 41.833

 53, 92.123, 41.833

 100, 92.123,
41.833

 43, 92.123, 41.833

 73, 92.123, 41.833

 33, 92.123, 41.833

 83, 92.123, 41.833

 23, 92.123, 41.833

 93, 92.123, 41.833

 13, 92.123, 41.833

 3, 92.123, 41.833

 0, 92.123, 41.833

 53, 92.123, 41.833

 53, 92.123, 41.833

 52, 96.728, 42.088

 55, 82.728, 40.839

 59, 71.576, 39.377

62, 60.061, 38.000

67, 48.816, 36.892

72, 38.131, 36.079

77, 28.136, 35.528

82, 18.872, 35.187

87, 10.326, 34.999

93, 2.455, 34.772

Harmonies

Complementary

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



53, 92.123, 41.833



76, 41.263, 225.501

Rectangle

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



53, 92.123, 41.833



53, 92.123, 91.833



53, 92.123, 221.833



53, 92.123, 271.833

Sweetspot

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



53, 92.120, 41.835



84, 24.306, 35.328



55, 97.510, 334.881



42, 17.089, 35.490



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, 92.120, 41.835



55, 101.332, 42.026



72, 76.959, 75.301



47, 4.337, 34.948



40, 78.715, 42.426



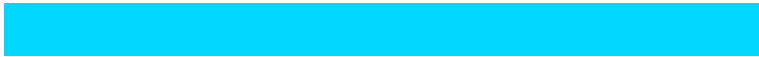
9, 26.779, 32.784

Inverse Universe

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



76, 41.263, 225.501



79, 43.539, 227.704



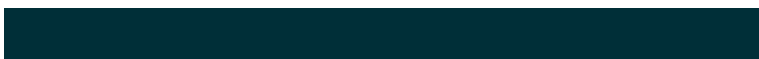
45, 85.876, 293.853



49, 4.081, 215.225



59, 34.019, 226.994



17, 14.909, 222.179

Previews

White Background



This preview shows how the CIELCh color 53, 92.123, 41.833 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, 92.123, 41.833 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, 92.123, 41.833

Background



This preview shows how black text looks on a background with the CIELCh color 53, 92.123, 41.833.



This preview shows how white text looks on a background with the CIELCh color 53, 92.123, 41.833.

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, 92.123, 41.833

Protanopia

53, 49.390, 95.081

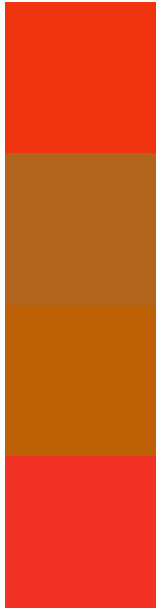
Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 84.923, 34.061

Trichromacy



Original Color
53, 92.123, 41.833

Protanomaly
50, 57.267, 62.533

Deuteranomaly
51, 66.760, 60.592

Tritanomaly
53, 87.957, 37.487

Monochromacy



Original Color
53, 92.123, 41.833

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 33.364, 36.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 92.123, 41.833 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(240, 52, 16)` looks like.

```
.text, #text, p{  
    color:rgb(240, 52, 16)  
}
```

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(240, 52, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 52, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 92.123, 41.833 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(240, 52, 16) }
```

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

```
.border{ border-color:rgb(240, 52, 16) }
```

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

Here you see how a box with a 4 pixel rgb(240, 52, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 52, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 52, 16);  
box-shadow:4px 4px 4px 4px rgb(240, 52,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 92.123, 41.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 52, 16) }
```

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

```
.background{ background-color: rgb(240, 52,  
16) }
```

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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