

Converting Colors

CIELCh(55, 90.531, 30.553)

Have a look what the booklet for
CIELCh(55, 90.531, 30.553) contains.

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Color

CIELCh(55, 90.153, 30.527)

Conversions

Conversions Part 1

Format	Color
Hex	FF233A
RGB	255, 35, 58
RGB Percent	100%, 14%, 23%
CMY	0.0000, 0.8642, 0.7738
CMYK	0.00, 0.86, 0.77, 0.00
HSL	354°, 100%, 57%
HSV	354°, 86%, 100%
XYZ	42.9511, 22.9298, 6.1223
YIQ	103.4020, 123.7370, 53.7930

Conversions

Conversions Part 2

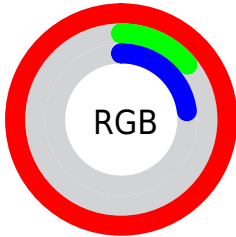
Format	Color
RYB	255, 35, 58
Decimal	16720698
CIELab	55.00, 77.66, 45.79
CIElCh	55, 90.153, 30.527
Yxy	22.9298, 0.5965, 0.3185
Android (android.graphics.Color)	4294910778 (0xFFFF233A)
YUV	103.4020, -22.3832, 132.9514
Hunter-Lab	47.8851, 76.3087, 25.9391

Details

The CIELCh color **55, 90.153, 30.527** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **91, 53.435, 183.077**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.257, 27.979**, and **39, 80.181, 36.903** is the 20% darker color. If you saturate the color by 10%, you get **54, 97.570, 35.081**, and if you desaturate by 10%, it is **57, 80.546, 26.014**.

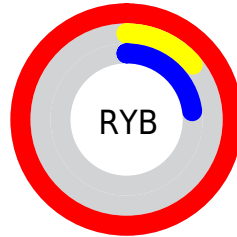
Distribution



Red (100%)

Green (14%)

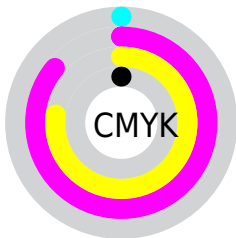
Blue (23%)



Red (100%)

Yellow (14%)

Blue (23%)

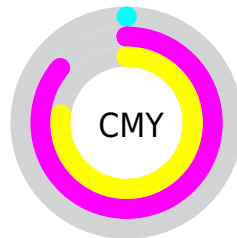


Cyan (0%)

Magenta (86%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (86%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 90.153, 30.527 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 55, 90.153, 30.527 by changing the saturation by 10% instead.


 55, 90.153, 30.527

 55, 90.153, 30.527

 100, 90.153,
30.527

 45, 90.153, 30.527


 75, 90.153, 30.527

 35, 90.153, 30.527

 85, 90.153, 30.527


 25, 90.153, 30.527

 95, 90.153, 30.527

 15, 90.153, 30.527

 5, 90.153, 30.527

 0, 90.153, 30.527

 55, 90.153, 30.527

 55, 90.153, 30.527

 54, 97.570, 35.081

 57, 80.546, 26.014

 53, 99.932, 36.492

 61, 70.261, 22.224

65, 59.284, 19.181

70, 48.008, 16.791

76, 36.807, 14.918

82, 25.959, 13.434

89, 15.636, 12.234

96, 5.916, 11.202

100, 0.012,
296.813

Harmonies

Complementary

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



55, 90.153, 30.527



91, 53.435, 183.077

Rectangle

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



55, 90.153, 30.527



55, 90.153, 80.527



55, 90.153, 210.527



55, 90.153, 260.527

Sweetspot

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



55, 89.799, 30.465



83, 25.515, 13.379



57, 112.479, 323.999



42, 17.474, 13.852



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 89.799, 30.465



53, 99.932, 36.492



65, 81.014, 54.044



50, 5.293, 11.516



40, 79.757, 35.719



10, 32.570, 22.925

Inverse Universe

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



55, 89.799, 30.465



53, 99.932, 36.492



67, 51.658, 264.176



50, 5.293, 11.516



40, 79.757, 35.719



10, 32.570, 22.925

Previews

White Background



This preview shows how the CIELCh color 55, 90.153, 30.527 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 55, 90.153, 30.527 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 55, 90.153, 30.527

Background



This preview shows how black text looks on a background with the CIELCh color 55, 90.153, 30.527.



This preview shows how white text looks on a background with the CIELCh color 55, 90.153, 30.527.

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

55, 89.676, 30.400

Protanopia

55, 27.042, 96.414

Deuteranopia

55, 49.416, 81.646



Tritanopia
55, 94.823, 36.659

Trichromacy



Original Color
55, 89.676, 30.400

Protanomaly
51, 43.427, 40.551

Deuteranomaly
52, 59.338, 48.247

Tritanomaly
55, 93.013, 34.546

Monochromacy



Original Color
55, 89.676, 30.400

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 35.617, 16.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 90.153, 30.527 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(255, 35, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 35, 58)  
}
```

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(255, 35, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 35, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 90.153, 30.527 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(255, 35, 58) }
```

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

```
.border{ border-color:rgb(255, 35, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 35, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 35, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 35, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 35,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 90.153, 30.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 35, 58) }
```

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

```
.background{ background-color: rgb(255, 35,  
58) }
```

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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