

Converting Colors

CIELCh(55, 87.425, 24.967)

Have a look what the booklet for
CIELCh(55, 87.425, 24.967) contains.

CIELCh(55, 86.955, 24.956)	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(55, 86.955, 24.956)

Conversions

Conversions Part 1

Format	Color
Hex	FF1F4A
RGB	255, 31, 74
RGB Percent	100%, 12%, 29%
CMY	0.0000, 0.8786, 0.7108
CMYK	0.00, 0.88, 0.71, 0.00
HSL	349°, 100%, 56%
HSV	349°, 88%, 100%
XYZ	43.3484, 22.9298, 8.5743
YIQ	102.8780, 119.7010, 60.8610

Conversions

Conversions Part 2

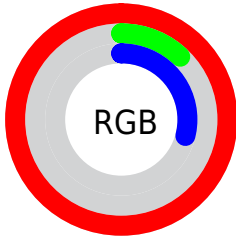
Format	Color
R_{YB}	255, 31, 74
Decimal	16719690
CIE _{Lab}	55.00, 78.84, 36.69
CIE _{LCh}	55, 86.955, 24.956
Yxy	22.9298, 0.5791, 0.3063
Android (android.graphics.Color)	4294909770 (0xFFFF1F4A)
YUV	102.8780, -14.2369, 133.4110
Hunter-Lab	47.8851, 77.7896, 22.9031

Details

The CIELCh color **55, 86.955, 24.956** 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 **90, 58.988, 173.571**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 61.382, 19.024**, and **39, 76.051, 32.112** is the 20% darker color. If you saturate the color by 10%, you get **54, 93.129, 30.186**, and if you desaturate by 10%, it is **57, 78.900, 20.072**.

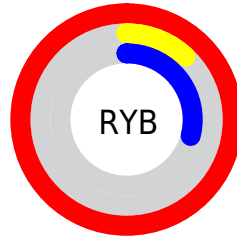
Distribution



Red (100%)

Green (12%)

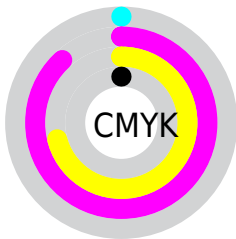
Blue (29%)



Red (100%)

Yellow (12%)

Blue (29%)

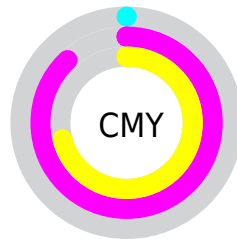


Cyan (0%)

Magenta (88%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 86.955, 24.956 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, 86.955, 24.956 by changing the saturation by 10% instead.

 55, 86.955, 24.956

 55, 86.955, 24.956

 100, 86.955,
24.956

 45, 86.955, 24.956

 75, 86.955, 24.956

 35, 86.955, 24.956

 85, 86.955, 24.956

 25, 86.955, 24.956

 95, 86.955, 24.956

 15, 86.955, 24.956

 5, 86.955, 24.956

 0, 86.955, 24.956

 55, 86.955, 24.956

 55, 86.955, 24.956

 54, 93.129, 30.186

 57, 78.900, 20.072

 53, 94.485, 31.273

 60, 69.975, 16.133

65, 60.006, 13.002

70, 49.383, 10.538

75, 38.529, 8.585

82, 27.786, 7.011

88, 17.383, 5.712

95, 7.448, 4.592

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, 86.955, 24.956



90, 58.988, 173.571

Rectangle

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



55, 86.955, 24.956



55, 86.955, 74.956



55, 86.955, 204.956



55, 86.955, 254.956

Sweetspot

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



55, 86.587, 24.852



83, 25.822, 6.751



54, 113.904, 321.131



42, 17.642, 7.242



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, 86.587, 24.852



53, 94.485, 31.273



62, 85.680, 48.289



50, 5.412, 4.771



40, 75.394, 30.266



10, 32.038, 19.181

Inverse Universe

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



55, 86.587, 24.852



53, 94.485, 31.273



72, 46.157, 251.144



50, 5.412, 4.771



40, 75.394, 30.266



10, 32.038, 19.181

Previews

White Background



This preview shows how the CIELCh color 55, 86.955, 24.956 looks on a white background.

Color Contrast Check

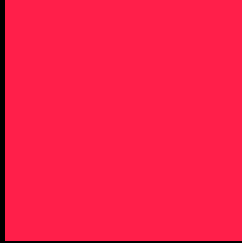
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.955, 24.956 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, 86.955, 24.956

Background



This preview shows how black text looks on a background with the CIELCh color 55, 86.955, 24.956.



This preview shows how white text looks on a background with the CIELCh color 55, 86.955, 24.956.

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, 86.531, 24.764

Protanopia

55, 14.126, 94.541

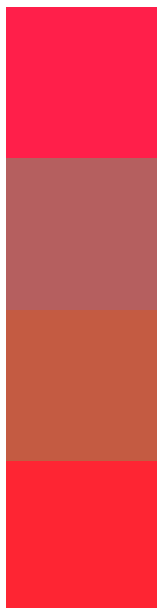
Deuteranopia

55, 40.551, 79.451



Tritanopia
55, 93.837, 36.278

Trichromacy



Original Color
55, 86.531, 24.764

Protanomaly
50, 38.105, 24.540

Deuteranomaly
51, 52.782, 40.455

Tritanomaly
55, 90.845, 32.605

Monochromacy



Original Color
55, 86.531, 24.764

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 35.901, 11.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 86.955, 24.956 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, 31, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 74)  
}
```

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, 31, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 86.955, 24.956 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, 31, 74) }
```

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

```
.border{ border-color:rgb(255, 31, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 86.955, 24.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 74) }
```

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

```
.background{ background-color: rgb(255, 31,  
74) }
```

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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