

Converting Colors

CIELCh(55, 85.200, 24.694)

Have a look what the booklet for
CIELCh(55, 85.200, 24.694) contains.

CIELCh(55, 85.238, 24.853)	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, 85.238, 24.853)

Conversions

Conversions Part 1

Format	Color
Hex	FE254B
RGB	254, 37, 75
RGB Percent	100%, 15%, 29%
CMY	0.0036, 0.8542, 0.7056
CMYK	0.00, 0.85, 0.70, 0.00
HSL	350°, 99%, 57%
HSV	350°, 85%, 100%
XYZ	42.8461, 22.9298, 8.8360
YIQ	106.2150, 117.1340, 57.8220

Conversions

Conversions Part 2

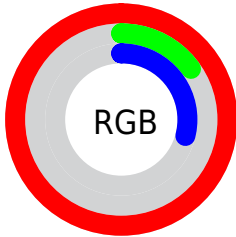
Format	Color
RYB	254, 37, 75
Decimal	16655691
CIELab	55.00, 77.34, 35.82
CIElCh	55, 85.238, 24.853
Yxy	22.9298, 0.5743, 0.3073
Android (android.graphics.Color)	4294845771 (0xFFFE254B)
YUV	106.2150, -15.3890, 129.6074
Hunter-Lab	47.8851, 75.9174, 22.5790

Details

The CIELCh color **55, 85.238, 24.853** 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, 57.082, 175.607**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.246, 19.546**, and **39, 75.423, 31.670** is the 20% darker color. If you saturate the color by 10%, you get **54, 92.281, 30.044**, and if you desaturate by 10%, it is **58, 76.994, 20.284**.

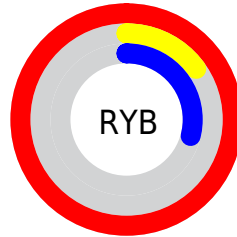
Distribution



Red (100%)

Green (15%)

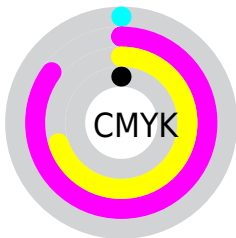
Blue (29%)



Red (100%)

Yellow (15%)

Blue (29%)

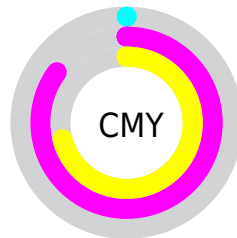


Cyan (0%)

Magenta (85%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (85%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 85.238, 24.853 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, 85.238, 24.853 by changing the saturation by 10% instead.

 55, 85.238, 24.853

 55, 85.238, 24.853

 100, 85.238,
24.853

 45, 85.238, 24.853

 75, 85.238, 24.853

 35, 85.238, 24.853

 85, 85.238, 24.853

 25, 85.238, 24.853

 95, 85.238, 24.853

 15, 85.238, 24.853

 5, 85.238, 24.853

 0, 85.238, 24.853

 55, 85.238, 24.853

 55, 85.238, 24.853

 54, 92.281, 30.044

 58, 76.994, 20.284

 53, 95.266, 32.393

 61, 67.598, 16.543

66, 57.308, 13.578

71, 46.528, 11.245

77, 35.658, 9.393

83, 25.002, 7.899

89, 14.755, 6.662

96, 5.014, 5.561

100, 0.314,
201.493

Harmonies

Complementary

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



55, 85.238, 24.853



90, 57.082, 175.607

Rectangle

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



55, 85.238, 24.853



55, 85.238, 74.853



55, 85.238, 204.853



55, 85.238, 254.853

Sweetspot

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



55, 85.234, 24.855



83, 25.736, 7.985



55, 112.114, 321.758



42, 17.591, 8.475



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, 85.234, 24.855



53, 95.533, 32.403



63, 82.309, 49.517



50, 5.384, 6.016



40, 76.214, 31.427



10, 32.134, 19.945

Inverse Universe

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



55, 85.234, 24.855



53, 95.533, 32.403



71, 46.249, 252.924



50, 5.384, 6.016



40, 76.214, 31.427



10, 32.134, 19.945

Previews

White Background



This preview shows how the CIELCh color 55, 85.238, 24.853 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, 85.238, 24.853 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, 85.238, 24.853

Background



This preview shows how black text looks on a background with the CIELCh color 55, 85.238, 24.853.



This preview shows how white text looks on a background with the CIELCh color 55, 85.238, 24.853.

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





Tritanopia
55, 91.516, 35.581

Trichromacy



Original Color
55, 85.238, 24.853

Protanomaly
51, 36.882, 25.955

Deuteranomaly
52, 51.795, 41.640

Tritanomaly
55, 88.815, 31.907

Monochromacy



Original Color
55, 85.238, 24.853

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 34.872, 11.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 85.238, 24.853 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(254, 37, 75)` looks like.

```
.text, #text, p{  
    color:rgb(254, 37, 75)  
}
```

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(254, 37, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 37, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 85.238, 24.853 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(254, 37, 75) }
```

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

```
.border{ border-color:rgb(254, 37, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 37, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 37, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 37, 75);  
box-shadow:4px 4px 4px 4px rgb(254, 37,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 85.238, 24.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 37, 75) }
```

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

```
.background{ background-color: rgb(254, 37,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor