

Converting Colors

CIELCh(55, 84.266, 22.417)

Have a look what the booklet for
CIELCh(55, 84.266, 22.417) contains.

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Color

CIELCh(55, 84.240, 22.577)

Conversions

Conversions Part 1

Format	Color
Hex	FE2451
RGB	254, 36, 81
RGB Percent	100%, 14%, 32%
CMY	0.0039, 0.8587, 0.6823
CMYK	0.00, 0.86, 0.68, 0.00
HSL	348°, 99%, 57%
HSV	348°, 86%, 100%
XYZ	42.9939, 22.9298, 9.9458
YIQ	106.3120, 115.4830, 60.2110

Conversions

Conversions Part 2

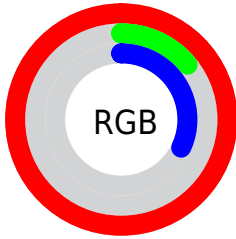
Format	Color
RYB	254, 36, 81
Decimal	16655441
CIELab	55.00, 77.78, 32.34
CIElCh	55, 84.240, 22.577
Yxy	22.9298, 0.5667, 0.3022
Android (android.graphics.Color)	4294845521 (0xFFFE2451)
YUV	106.3120, -12.4788, 129.5224
Hunter-Lab	47.8851, 76.4682, 21.2050

Details

The CIELCh color **55, 84.240, 22.577** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **90, 59.238, 172.451**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 59.725, 16.446**, and **40, 74.462, 29.863** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.692, 27.910**, and if you desaturate by 10%, it is **57, 76.566, 17.969**.

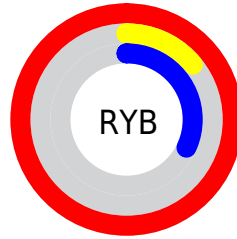
Distribution



Red (100%)

Green (14%)

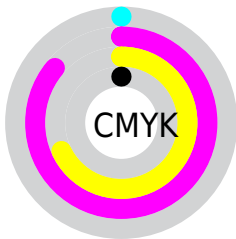
Blue (32%)



Red (100%)

Yellow (14%)

Blue (32%)

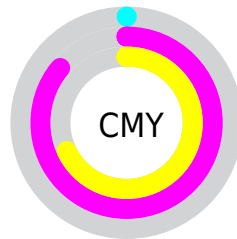


Cyan (0%)

Magenta (86%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.240, 22.577 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, 84.240, 22.577 by changing the saturation by 10% instead.

 55, 84.240, 22.577

 55, 84.240, 22.577

 100, 84.240,
22.577

 45, 84.240, 22.577

 75, 84.240, 22.577

 35, 84.240, 22.577

 85, 84.240, 22.577

 25, 84.240, 22.577

 95, 84.240, 22.577

 15, 84.240, 22.577

 5, 84.240, 22.577

 0, 84.240, 22.577

 55, 84.240, 22.577

 55, 84.240, 22.577

 54, 90.692, 27.910

 57, 76.566, 17.969

 53, 93.224, 30.141

 61, 67.623, 14.226

65, 57.650, 11.268

71, 47.063, 8.936

76, 36.282, 7.078

83, 25.634, 5.570

89, 15.331, 4.314

96, 5.491, 3.199

100, 0.344,
201.312

Harmonies

Complementary

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



55, 84.240, 22.577



90, 59.238, 172.451

Rectangle

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



55, 84.240, 22.577



55, 84.240, 72.577



55, 84.240, 202.577



55, 84.240, 252.577

Sweetspot

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



55, 84.236, 22.579



83, 25.914, 5.596



54, 112.646, 320.648



42, 17.698, 6.088



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, 84.236, 22.579



54, 93.510, 30.153



62, 84.105, 47.402



50, 5.441, 3.609



40, 74.637, 29.121



10, 31.947, 18.415

Inverse Universe

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



55, 84.236, 22.579



54, 93.510, 30.153



73, 44.612, 247.151



50, 5.441, 3.609



40, 74.637, 29.121



10, 31.947, 18.415

Previews

White Background



This preview shows how the CIELCh color 55, 84.240, 22.577 looks on a white background.

Color Contrast Check

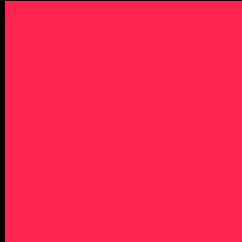
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.240, 22.577 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, 84.240, 22.577

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.240, 22.577.



This preview shows how white text looks on a background with the CIELCh color 55, 84.240, 22.577.

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, 84.240, 22.577

Protanopia

55, 9.467, 93.792

Deuteranopia

55, 36.187, 78.647



Tritanopia
55, 91.255, 35.325

Trichromacy



Original Color
55, 84.240, 22.577



Protanomaly
51, 36.015, 18.955



Deuteranomaly
52, 49.508, 37.480



Tritanomaly
55, 88.309, 31.301

Monochromacy



Original Color
55, 84.240, 22.577



Achromatopsia
45, 0.006, 296.813



Achromatomaly
45, 34.894, 9.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.240, 22.577 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, 36, 81)` looks like.

```
.text, #text, p{  
    color:rgb(254, 36, 81)  
}
```

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, 36, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 36, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.240, 22.577 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, 36, 81) }
```

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

```
.border{ border-color:rgb(254, 36, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 36, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 36, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 36, 81);  
box-shadow:4px 4px 4px 4px rgb(254, 36,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.240, 22.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 36, 81) }
```

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

```
.background{ background-color: rgb(254, 36,  
81) }
```

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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