

Converting Colors

CIELCh(55, 84.748, 22.381)

Have a look what the booklet for
CIELCh(55, 84.748, 22.381) contains.

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Color

CIELCh(55, 84.843, 22.506)

Conversions

Conversions Part 1

Format	Color
Hex	FF2251
RGB	255, 34, 81
RGB Percent	100%, 13%, 32%
CMY	0.0009, 0.8681, 0.6830
CMYK	0.00, 0.87, 0.68, 0.00
HSL	347°, 100%, 57%
HSV	347°, 87%, 100%
XYZ	43.1949, 22.9298, 9.9013
YIQ	105.4370, 116.6290, 61.4690

Conversions

Conversions Part 2

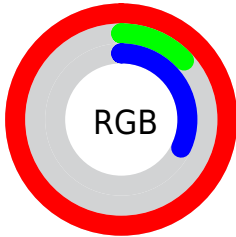
Format	Color
R_{YB}	255, 34, 81
Decimal	16720465
CIE _{Lab}	55.00, 78.38, 32.48
CIE _{LCh}	55, 84.843, 22.506
Yxy	22.9298, 0.5682, 0.3016
Android (android.graphics.Color)	4294910545 (0xFFFF2251)
YUV	105.4370, -12.0474, 131.1668
Hunter-Lab	47.8851, 77.2173, 21.2600

Details

The CIELCh color **55, 84.843, 22.506** 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, 60.164, 171.604**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.088, 16.111**, and **40, 74.821, 29.961** is the 20% darker color. If you saturate the color by 10%, you get **54, 91.080, 27.906**, and if you desaturate by 10%, it is **57, 77.397, 17.817**.

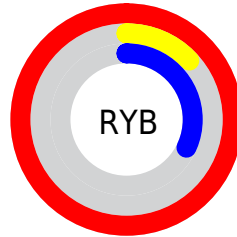
Distribution



Red (100%)

Green (13%)

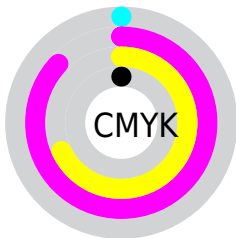
Blue (32%)



Red (100%)

Yellow (13%)

Blue (32%)

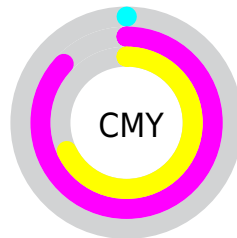


Cyan (0%)

Magenta (87%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (87%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.843, 22.506 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, 84.843, 22.506 by changing the saturation by 10% instead.

 55, 84.843, 22.506

 55, 84.843, 22.506

 100, 84.843,
22.506

 45, 84.843, 22.506

 75, 84.843, 22.506

 35, 84.843, 22.506

 85, 84.843, 22.506

 25, 84.843, 22.506

 95, 84.843, 22.506

 15, 84.843, 22.506

 5, 84.843, 22.506

 0, 84.843, 22.506

 55, 84.843, 22.506

 55, 84.843, 22.506

 54, 91.080, 27.906

 57, 77.397, 17.817

 53, 92.997, 29.612

 61, 68.644, 14.001

65, 58.795, 10.982

70, 48.262, 8.603

76, 37.477, 6.709

82, 26.781, 5.172

89, 16.403, 3.895

95, 6.470, 2.775

100, 0.080,
207.668

Harmonies

Complementary

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



55, 84.843, 22.506



90, 60.164, 171.604

Rectangle

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



55, 84.843, 22.506



55, 84.843, 72.506



55, 84.843, 202.506



55, 84.843, 252.506

Sweetspot

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



55, 84.839, 22.508



83, 25.961, 5.063



54, 113.456, 320.616



42, 17.726, 5.554



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, 84.839, 22.508



54, 93.064, 29.615



61, 85.299, 47.361



50, 5.456, 3.073



40, 74.293, 28.574



10, 31.905, 18.045

Inverse Universe

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



55, 84.839, 22.508



54, 93.064, 29.615



73, 44.969, 247.598



50, 5.456, 3.073



40, 74.293, 28.574



10, 31.905, 18.045

Previews

White Background



This preview shows how the CIELCh color 55, 84.843, 22.506 looks on a white background.

Color Contrast Check

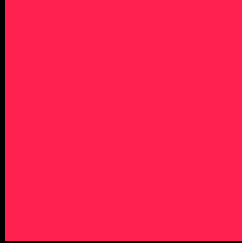
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.843, 22.506 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, 84.843, 22.506

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.843, 22.506.



This preview shows how white text looks on a background with the CIELCh color 55, 84.843, 22.506.

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, 84.843, 22.506

Protanopia

55, 9.467, 93.792

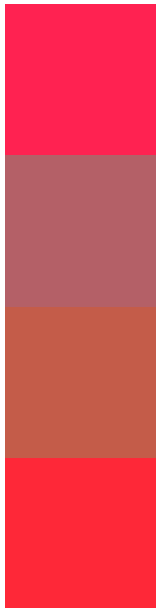
Deuteranopia

55, 36.674, 78.933



Tritanopia
55, 92.277, 35.744

Trichromacy



Original Color
55, 84.843, 22.506

Protanomaly
51, 36.426, 18.237

Deuteranomaly
52, 50.478, 37.391

Tritanomaly
55, 89.191, 31.443

Monochromacy



Original Color
55, 84.843, 22.506

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 35.420, 9.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.843, 22.506 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, 34, 81)` looks like.

```
.text, #text, p{  
  color:rgb(255, 34, 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(255, 34, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.843, 22.506 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, 34, 81) }
```

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

```
.border{ border-color:rgb(255, 34, 81) }
```

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

Here you see how a box with a 4 pixel rgb(255, 34, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.843, 22.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 81) }
```

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

```
.background{ background-color: rgb(255, 34,  
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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