

Converting Colors

CIELCh(55, 85.708, 22.259)

Have a look what the booklet for
CIELCh(55, 85.708, 22.259) contains.

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Color

CIELCh(55, 85.330, 22.170)

Conversions

Conversions Part 1

Format	Color
Hex	FF1F51
RGB	255, 31, 81
RGB Percent	100%, 12%, 32%
CMY	0.0000, 0.8787, 0.6810
CMYK	0.00, 0.88, 0.68, 0.00
HSL	346°, 100%, 56%
HSV	346°, 88%, 100%
XYZ	43.4110, 22.9298, 9.9929
YIQ	103.6760, 117.4540, 63.0380

Conversions

Conversions Part 2

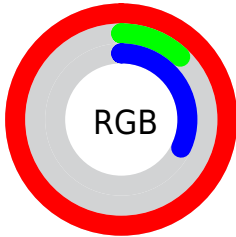
Format	Color
R_{YB}	255, 31, 81
Decimal	16719697
CIE _{Lab}	55.00, 79.02, 32.20
CIE _{LCh}	55, 85.330, 22.170
Yxy	22.9298, 0.5687, 0.3004
Android (android.graphics.Color)	4294909777 (0xFFFF1F51)
YUV	103.6760, -11.1793, 132.7111
Hunter-Lab	47.8851, 78.0230, 21.1466

Details

The CIELCh color **55, 85.330, 22.170** 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, 61.352, 170.334**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 60.816, 15.459**, and **40, 74.821, 29.961** is the 20% darker color. If you saturate the color by 10%, you get **54, 91.104, 27.579**, and if you desaturate by 10%, it is **57, 78.047, 17.340**.

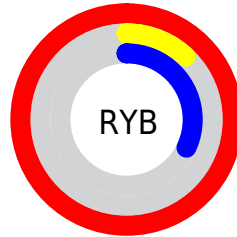
Distribution



Red (100%)

Green (12%)

Blue (32%)



Red (100%)

Yellow (12%)

Blue (32%)

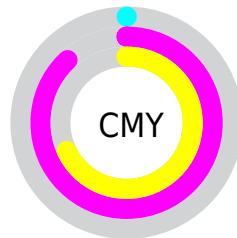


Cyan (0%)

Magenta (88%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 85.330, 22.170 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, 85.330, 22.170 by changing the saturation by 10% instead.

 55, 85.330, 22.170

 55, 85.330, 22.170

 100, 85.330,
22.170

 45, 85.330, 22.170

 75, 85.330, 22.170

 35, 85.330, 22.170

 85, 85.330, 22.170

 25, 85.330, 22.170

 95, 85.330, 22.170

 15, 85.330, 22.170

 5, 85.330, 22.170

 0, 85.330, 22.170

 55, 85.330, 22.170

 55, 85.330, 22.170

 54, 91.104, 27.579

 57, 78.047, 17.340

 54, 92.350, 28.717

 60, 69.573, 13.453

65, 59.921, 10.377

70, 49.497, 7.953

76, 38.742, 6.024

82, 28.020, 4.458

88, 17.576, 3.157

95, 7.552, 2.027

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, 85.330, 22.170



90, 61.352, 170.334

Rectangle

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



55, 85.330, 22.170



55, 85.330, 72.170



55, 85.330, 202.170



55, 85.330, 252.170

Sweetspot

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



55, 85.159, 22.114



83, 26.043, 4.198



53, 114.298, 320.034



42, 17.777, 4.688



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, 85.159, 22.114



54, 92.350, 28.717



61, 87.152, 46.372



50, 5.480, 2.207



40, 73.745, 27.662



10, 31.838, 17.421

Inverse Universe

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



55, 85.159, 22.114



54, 92.350, 28.717



74, 44.511, 244.942



50, 5.480, 2.207



40, 73.745, 27.662



10, 31.838, 17.421

Previews

White Background



This preview shows how the CIELCh color 55, 85.330, 22.170 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, 85.330, 22.170 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, 85.330, 22.170

Background



This preview shows how black text looks on a background with the CIELCh color 55, 85.330, 22.170.

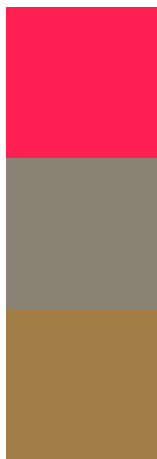


This preview shows how white text looks on a background with the CIELCh color 55, 85.330, 22.170.

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, 85.213, 22.250

Protanopia

55, 7.972, 87.981

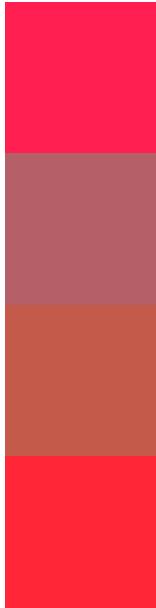
Deuteranopia

55, 36.187, 78.647



Tritanopia
55, 93.065, 36.012

Trichromacy



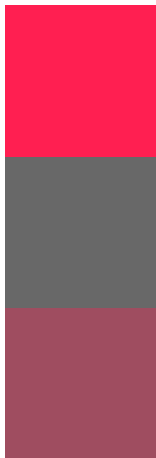
Original Color
55, 85.213, 22.250

Protanomaly
51, 37.154, 15.929

Deuteranomaly
52, 50.456, 36.280

Tritanomaly
55, 89.702, 31.536

Monochromacy



Original Color
55, 85.213, 22.250

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 36.381, 7.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 85.330, 22.170 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 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, 31, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 85.330, 22.170 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, 81) }
```

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

```
.border{ border-color:rgb(255, 31, 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, 31, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 85.330, 22.170 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, 81) }
```

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

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