

Converting Colors

CIELCh(55, 84.101, 20.111)

Have a look what the booklet for
CIELCh(55, 84.101, 20.111) contains.

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Color

CIELCh(55, 84.110, 20.099)

Conversions

Conversions Part 1

Format	Color
Hex	FF2057
RGB	255, 32, 87
RGB Percent	100%, 13%, 34%
CMY	0.0007, 0.8756, 0.6593
CMYK	0.00, 0.88, 0.66, 0.00
HSL	345°, 100%, 56%
HSV	345°, 88%, 100%
XYZ	43.3996, 22.9298, 11.1287
YIQ	104.9470, 115.2530, 64.3810

Conversions

Conversions Part 2

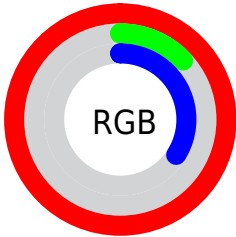
Format	Color
R_{YB}	255, 32, 87
Decimal	16719959
CIE _{Lab}	55.00, 78.99, 28.90
CIE _{LCh}	55, 84.110, 20.099
Yxy	22.9298, 0.5603, 0.2960
Android (android.graphics.Color)	4294910039 (0xFFFF2057)
YUV	104.9470, -8.8479, 131.5965
Hunter-Lab	47.8851, 77.9805, 19.7404

Details

The CIELCh color **55, 84.110, 20.099** 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, 62.817, 168.417**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.170, 12.668**, and **40, 73.310, 27.532** is the 20% darker color. If you saturate the color by 10%, you get **54, 89.657, 25.590**, and if you desaturate by 10%, it is **57, 77.319, 15.390**.

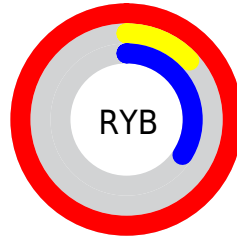
Distribution



Red (100%)

Green (13%)

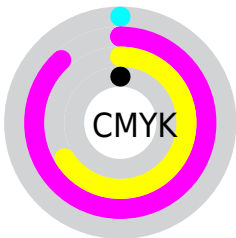
Blue (34%)



Red (100%)

Yellow (13%)

Blue (34%)

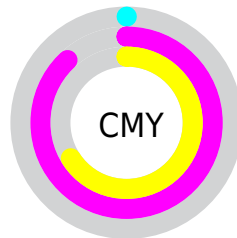


Cyan (0%)

Magenta (88%)

Yellow (66%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.110, 20.099 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, 84.110, 20.099 by changing the saturation by 10% instead.

 55, 84.110, 20.099

 55, 84.110, 20.099

 100, 84.110,
20.099

 45, 84.110, 20.099

 75, 84.110, 20.099


 35, 84.110, 20.099


 85, 84.110, 20.099

 25, 84.110, 20.099

 95, 84.110, 20.099

 15, 84.110, 20.099

 5, 84.110, 20.099

 0, 84.110, 20.099

 55, 84.110, 20.099

 55, 84.110, 20.099

 54, 89.657, 25.590

 57, 77.319, 15.390

 54, 90.991, 26.929

 61, 69.081, 11.585

65, 59.587, 8.582

70, 49.261, 6.213

76, 38.556, 4.320

82, 27.845, 2.777

88, 17.378, 1.487

95, 7.305, 0.359

100, 0.061,
210.415

Harmonies

Complementary

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



55, 84.110, 20.099



90, 62.817, 168.417

Rectangle

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



55, 84.110, 20.099



55, 84.110, 70.099



55, 84.110, 200.099



55, 84.110, 250.099

Sweetspot

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



55, 84.106, 20.101



83, 26.216, 2.563



52, 114.279, 319.508



42, 17.885, 3.050



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, 84.106, 20.101



54, 91.040, 26.932



60, 87.525, 45.483



50, 5.529, 0.574



40, 72.746, 25.856



10, 31.715, 16.156

Inverse Universe

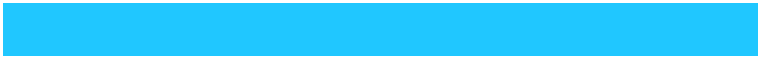
The Inverse Universe completely reimagines the original color for something new.



55, 84.106, 20.101



54, 91.040, 26.932



75, 43.794, 241.591



50, 5.529, 0.574



40, 72.746, 25.856



10, 31.715, 16.156

Previews

White Background



This preview shows how the CIELCh color 55, 84.110, 20.099 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, 84.110, 20.099 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, 84.110, 20.099

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.110, 20.099.



This preview shows how white text looks on a background with the CIELCh color 55, 84.110, 20.099.

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, 84.110, 20.099

Protanopia

55, 4.304, 87.603

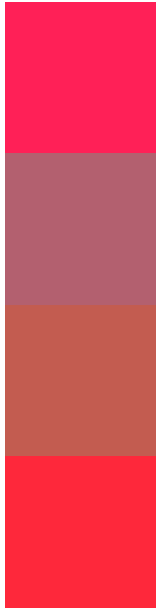
Deuteranopia

55, 33.006, 77.367



Tritanopia
55, 91.656, 35.464

Trichromacy



Original Color
55, 84.110, 20.099

Protanomaly
51, 35.779, 10.787

Deuteranomaly
52, 48.192, 33.420

Tritanomaly
55, 88.443, 30.524

Monochromacy



Original Color
55, 84.110, 20.099

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 35.988, 6.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.110, 20.099 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, 32, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 32, 87)  
}
```

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, 32, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 32, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.110, 20.099 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, 32, 87) }
```

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

```
.border{ border-color:rgb(255, 32, 87) }
```

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

Here you see how a box with a 4 pixel rgb(255, 32, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 32, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 32, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 32,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.110, 20.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 32, 87) }
```

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

```
.background{ background-color: rgb(255, 32,  
87) }
```

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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