

Converting Colors

CIELCh(55, 85.628, 21.715)

Have a look what the booklet for
CIELCh(55, 85.628, 21.715) contains.

CIELCh(55, 85.272, 21.726)	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, 85.272, 21.726)

Conversions

Conversions Part 1

Format	Color
Hex	FF1E52
RGB	255, 30, 82
RGB Percent	100%, 12%, 32%
CMY	0.0000, 0.8816, 0.6767
CMYK	0.00, 0.88, 0.68, 0.00
HSL	346°, 100%, 56%
HSV	346°, 88%, 100%
XYZ	43.4764, 22.9298, 10.2053
YIQ	103.2030, 117.4080, 63.8720

Conversions

Conversions Part 2

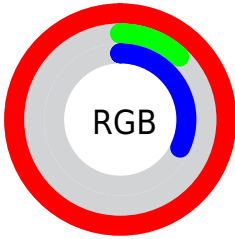
Format	Color
RYB	255, 30, 82
Decimal	16719442
CIELab	55.00, 79.21, 31.56
CIElCh	55, 85.272, 21.726
Yxy	22.9298, 0.5675, 0.2993
Android (android.graphics.Color)	4294909522 (0xFFFF1E52)
YUV	103.2030, -10.4531, 133.1260
Hunter-Lab	47.8851, 78.2668, 20.8836

Details

The CIELCh color **55, 85.272, 21.726** 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, 61.979, 169.603**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 60.757, 14.945**, and **40, 74.562, 29.570** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.851, 27.144**, and if you desaturate by 10%, it is **57, 78.114, 16.864**.

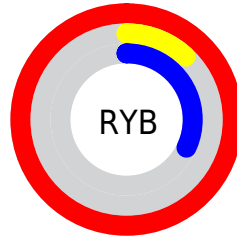
Distribution



Red (100%)

Green (12%)

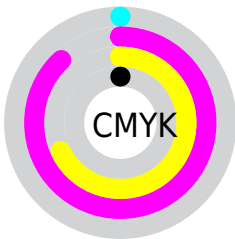
Blue (32%)



Red (100%)

Yellow (12%)

Blue (32%)

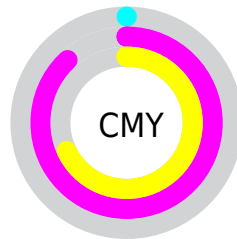


Cyan (0%)

Magenta (88%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 85.272, 21.726 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, 85.272, 21.726 by changing the saturation by 10% instead.

 55, 85.272, 21.726

 55, 85.272, 21.726

 100, 85.272,
21.726

 45, 85.272, 21.726

 75, 85.272, 21.726

 35, 85.272, 21.726

 85, 85.272, 21.726

 25, 85.272, 21.726

 95, 85.272, 21.726

 15, 85.272, 21.726

 5, 85.272, 21.726

 0, 85.272, 21.726

 55, 85.272, 21.726

 55, 85.272, 21.726

 54, 90.851, 27.144

 57, 78.114, 16.864

 54, 91.902, 28.129

 60, 69.775, 12.967

65, 60.218, 9.884

70, 49.850, 7.456

75, 39.118, 5.521

81, 28.392, 3.949

88, 17.926, 2.643

95, 7.867, 1.509

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, 85.272, 21.726



90, 61.979, 169.603

Rectangle

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



55, 85.272, 21.726



55, 85.272, 71.726



55, 85.272, 201.726



55, 85.272, 251.726

Sweetspot

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



55, 85.062, 21.654



83, 26.098, 3.647



53, 114.450, 320.023



42, 17.811, 4.137



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, 85.062, 21.654



54, 91.902, 28.129



61, 87.442, 46.362



50, 5.496, 1.656



40, 73.403, 27.066



10, 31.796, 17.008

Inverse Universe

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



55, 85.062, 21.654



54, 91.902, 28.129



74, 44.577, 245.074



50, 5.496, 1.656



40, 73.403, 27.066



10, 31.796, 17.008

Previews

White Background



This preview shows how the CIELCh color 55, 85.272, 21.726 looks on a white background.

Color Contrast Check

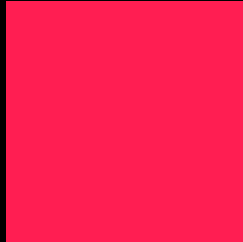
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.272, 21.726 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, 85.272, 21.726

Background



This preview shows how black text looks on a background with the CIELCh color 55, 85.272, 21.726.

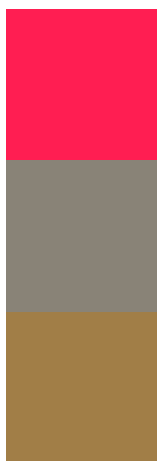


This preview shows how white text looks on a background with the CIELCh color 55, 85.272, 21.726.

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, 85.158, 21.803

Protanopia

55, 7.288, 89.517

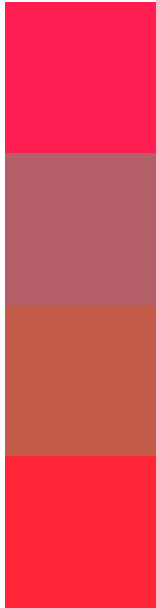
Deuteranopia

55, 35.461, 78.996



Tritanopia
55, 93.065, 36.012

Trichromacy



Original Color
55, 85.158, 21.803

Protanomaly
50, 37.133, 14.215

Deuteranomaly
51, 49.749, 35.767

Tritanomaly
55, 89.702, 31.536

Monochromacy



Original Color
55, 85.158, 21.803

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 35.984, 7.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 85.272, 21.726 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, 30, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 30, 82)  
}
```

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, 30, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 30, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 85.272, 21.726 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, 30, 82) }
```

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

```
.border{ border-color:rgb(255, 30, 82) }
```

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

Here you see how a box with a 4 pixel rgb(255, 30, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 30, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 30, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 30,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 85.272, 21.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 30, 82) }
```

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

```
.background{ background-color: rgb(255, 30,  
82) }
```

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