

Converting Colors

CIELCh(55, 86.078, 24.597)

Have a look what the booklet for
CIELCh(55, 86.078, 24.597) contains.

CIELCh(55, 85.972, 24.670)	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, 85.972, 24.670)

Conversions

Conversions Part 1

Format	Color
Hex	FF224B
RGB	255, 34, 75
RGB Percent	100%, 13%, 29%
CMY	0.0000, 0.8662, 0.7057
CMYK	0.00, 0.87, 0.71, 0.00
HSL	349°, 100%, 57%
HSV	349°, 87%, 100%
XYZ	43.1085, 22.9298, 8.8179
YIQ	104.7530, 118.5550, 59.6030

Conversions

Conversions Part 2

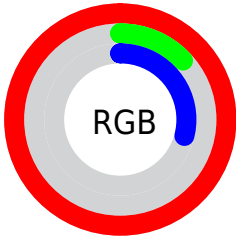
Format	Color
R_{YB}	255, 34, 75
Decimal	16720459
CIE _{Lab}	55.00, 78.13, 35.88
CIE _{LCh}	55, 85.972, 24.670
Yxy	22.9298, 0.5759, 0.3063
Android (android.graphics.Color)	4294910539 (0xFFFF224B)
YUV	104.7530, -14.6682, 131.7666
Hunter-Lab	47.8851, 76.8955, 22.6014

Details

The CIELCh color **55, 85.972, 24.670** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **90, 58.264, 174.347**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.592, 19.198**, and **39, 75.783, 31.752** is the 20% darker color. If you saturate the color by 10%, you get **54, 92.698, 29.951**, and if you desaturate by 10%, it is **57, 78.011, 19.988**.

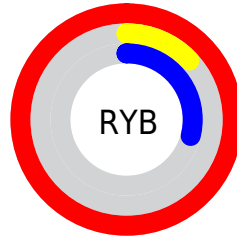
Distribution



Red (100%)

Green (13%)

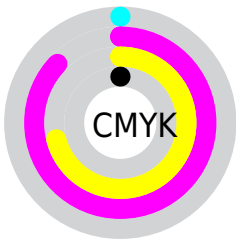
Blue (29%)



Red (100%)

Yellow (13%)

Blue (29%)

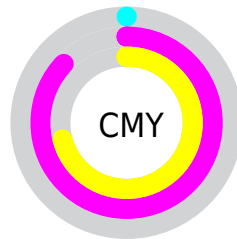


Cyan (0%)

Magenta (87%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (87%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 85.972, 24.670 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, 85.972, 24.670 by changing the saturation by 10% instead.

 55, 85.972, 24.670

 55, 85.972, 24.670

 100, 85.972,
24.670

 45, 85.972, 24.670

 75, 85.972, 24.670

 35, 85.972, 24.670

 85, 85.972, 24.670

 25, 85.972, 24.670

 95, 85.972, 24.670

 15, 85.972, 24.670

 5, 85.972, 24.670

 0, 85.972, 24.670

 55, 85.972, 24.670

 55, 85.972, 24.670

 54, 92.698, 29.951

 57, 78.011, 19.988

 53, 94.852, 31.677

 61, 68.865, 16.148

65, 58.738, 13.103

70, 48.030, 10.706

76, 37.156, 8.804

82, 26.440, 7.269

89, 16.096, 6.000

96, 6.237, 4.892

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, 85.972, 24.670



90, 58.264, 174.347

Rectangle

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



55, 85.972, 24.670



55, 85.972, 74.670



55, 85.972, 204.670



55, 85.972, 254.670

Sweetspot

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



55, 85.948, 24.666



83, 25.790, 7.184



54, 113.265, 321.171



42, 17.623, 7.675



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, 85.948, 24.666



53, 94.852, 31.677



62, 84.472, 48.373



50, 5.402, 5.207



40, 75.680, 30.680



10, 32.071, 19.455

Inverse Universe

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



55, 85.948, 24.666



53, 94.852, 31.677



72, 45.806, 250.564



50, 5.402, 5.207



40, 75.680, 30.680



10, 32.071, 19.455

Previews

White Background



This preview shows how the CIELCh color 55, 85.972, 24.670 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, 85.972, 24.670 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, 85.972, 24.670

Background



This preview shows how black text looks on a background with the CIELCh color 55, 85.972, 24.670.



This preview shows how white text looks on a background with the CIELCh color 55, 85.972, 24.670.

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, 85.972, 24.670

Protanopia

55, 14.107, 94.559

Deuteranopia

55, 39.798, 79.859



Tritanopia
55, 92.673, 35.878

Trichromacy



Original Color
55, 85.972, 24.670

Protanomaly
51, 38.038, 24.494

Deuteranomaly
52, 52.018, 41.072

Tritanomaly
55, 89.954, 32.332

Monochromacy



Original Color
55, 85.972, 24.670

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 35.800, 11.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 85.972, 24.670 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 85.972, 24.670 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, 75) }
```

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

```
.border{ border-color:rgb(255, 34, 75) }
```

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, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 85.972, 24.670 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, 75) }
```

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

```
.background{ background-color: rgb(255, 34,  
75) }
```

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