

Converting Colors

CIELCh(55, 85.993, 25.655)

Have a look what the booklet for
CIELCh(55, 85.993, 25.655) contains.

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Color

CIELCh(55, 86.124, 25.558)

Conversions

Conversions Part 1

Format	Color
Hex	FF2449
RGB	255, 36, 73
RGB Percent	100%, 14%, 29%
CMY	0.0010, 0.8603, 0.7144
CMYK	0.00, 0.86, 0.71, 0.00
HSL	350°, 100%, 57%
HSV	350°, 86%, 100%
XYZ	42.9645, 22.9298, 8.4348
YIQ	105.6990, 118.6470, 57.9350

Conversions

Conversions Part 2

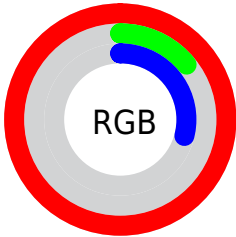
Format	Color
R_{YB}	255, 36, 73
Decimal	16720969
CIE _{Lab}	55.00, 77.70, 37.16
CIE _{LCh}	55, 86.124, 25.558
Yxy	22.9298, 0.5780, 0.3085
Android (android.graphics.Color)	4294911049 (0xFFFF2449)
YUV	105.6990, -16.1206, 130.9370
Hunter-Lab	47.8851, 76.3586, 23.0759

Details

The CIELCh color **55, 86.124, 25.558** 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, 57.063, 176.006**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 60.805, 20.213**, and **39, 76.319, 32.465** is the 20% darker color. If you saturate the color by 10%, you get **54, 93.183, 30.745**, and if you desaturate by 10%, it is **57, 77.860, 20.943**.

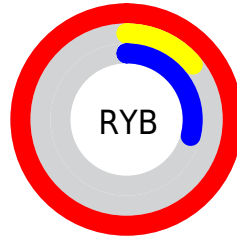
Distribution



Red (100%)

Green (14%)

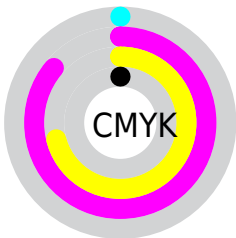
Blue (29%)



Red (100%)

Yellow (14%)

Blue (29%)

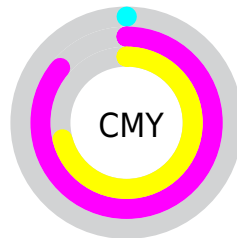


Cyan (0%)

Magenta (86%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 86.124, 25.558 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, 86.124, 25.558 by changing the saturation by 10% instead.

 55, 86.124, 25.558

 55, 86.124, 25.558

 100, 86.124,
25.558

 45, 86.124, 25.558

 75, 86.124, 25.558

 35, 86.124, 25.558

 85, 86.124, 25.558

 25, 86.124, 25.558

 95, 86.124, 25.558

 15, 86.124, 25.558

 5, 86.124, 25.558

 0, 86.124, 25.558

 55, 86.124, 25.558

 55, 86.124, 25.558

 54, 93.183, 30.745

 57, 77.860, 20.943

 53, 95.781, 32.732

 61, 68.448, 17.145

65, 58.135, 14.129

71, 47.321, 11.757

76, 36.408, 9.878

83, 25.704, 8.364

89, 15.408, 7.116

96, 5.624, 6.018

100, 0.086,
207.096

Harmonies

Complementary

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



55, 86.124, 25.558



90, 57.063, 176.006

Rectangle

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



55, 86.124, 25.558



55, 86.124, 75.558



55, 86.124, 205.558



55, 86.124, 255.558

Sweetspot

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



55, 86.120, 25.560



83, 25.712, 8.363



55, 112.694, 321.742



42, 17.577, 8.852



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, 86.120, 25.560



53, 95.855, 32.735



63, 83.116, 49.468



50, 5.376, 6.399



40, 76.467, 31.770



10, 32.163, 20.169

Inverse Universe

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



55, 86.120, 25.560



53, 95.855, 32.735



71, 46.547, 253.229



50, 5.376, 6.399



40, 76.467, 31.770



10, 32.163, 20.169

Previews

White Background



This preview shows how the CIELCh color 55, 86.124, 25.558 looks on a white background.

Color Contrast Check

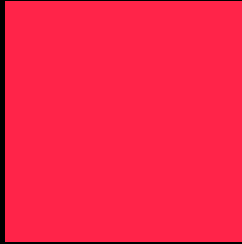
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.124, 25.558 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, 86.124, 25.558

Background



This preview shows how black text looks on a background with the CIELCh color 55, 86.124, 25.558.



This preview shows how white text looks on a background with the CIELCh color 55, 86.124, 25.558.

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, 86.124, 25.558

Protanopia

55, 15.769, 95.752

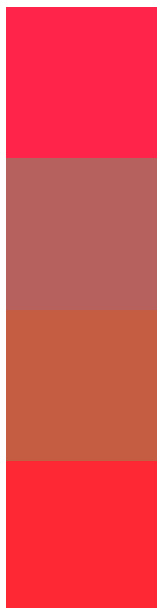
Deuteranopia

55, 41.219, 80.521



Tritanopia
55, 92.673, 35.878

Trichromacy



Original Color
55, 86.124, 25.558

Protanomaly
51, 38.162, 27.716

Deuteranomaly
52, 52.645, 42.045

Tritanomaly
55, 89.954, 32.332

Monochromacy



Original Color
55, 86.124, 25.558

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 34.930, 12.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 86.124, 25.558 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, 36, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 73)  
}
```

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, 36, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 86.124, 25.558 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, 36, 73) }
```

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

```
.border{ border-color:rgb(255, 36, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 86.124, 25.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 73) }
```

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

```
.background{ background-color: rgb(255, 36,  
73) }
```

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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