

Converting Colors

CIELCh(58, 77.077, 23.681)

Have a look what the booklet for
CIELCh(58, 77.077, 23.681) contains.

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Color

CIELCh(58, 77.256, 23.612)

Conversions

Conversions Part 1

Format	Color
Hex	FF435A
RGB	255, 67, 90
RGB Percent	100%, 26%, 35%
CMY	0.0006, 0.7378, 0.6475
CMYK	0.00, 0.74, 0.65, 0.00
HSL	353°, 100%, 63%
HSV	353°, 74%, 100%
XYZ	45.0193, 25.9610, 12.2848
YIQ	125.8340, 104.6650, 47.0090

Conversions

Conversions Part 2

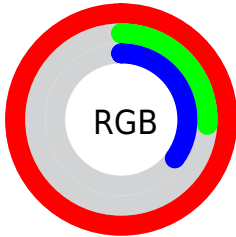
Format	Color
RYB	255, 67, 90
Decimal	16728922
CIELab	58.00, 70.79, 30.94
CIELCh	58, 77.256, 23.612
Yxy	25.9610, 0.5407, 0.3118
Android (android.graphics.Color)	4294919002 (0xFFFF435A)
YUV	125.8340, -17.6662, 113.2786
Hunter-Lab	50.9519, 68.5503, 21.3712

Details

The CIELCh color **58, 77.256, 23.612** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed red. A complement of this color would be **91, 50.755, 182.555**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 51.925, 18.294**, and **40, 73.186, 26.806** is the 20% darker color. If you saturate the color by 10%, you get **55, 86.530, 27.975**, and if you desaturate by 10%, it is **62, 66.994, 20.005**.

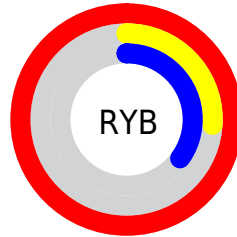
Distribution



Red (100%)

Green (26%)

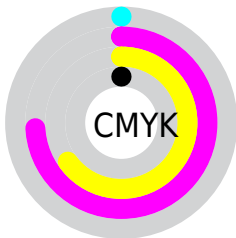
Blue (35%)



Red (100%)

Yellow (26%)

Blue (35%)

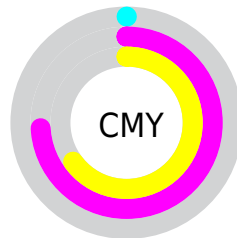


Cyan (0%)

Magenta (74%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (74%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 77.256, 23.612 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 58, 77.256, 23.612 by changing the saturation by 10% instead.

 58, 77.256, 23.612

 58, 77.256, 23.612

 100, 77.256,
23.612

 48, 77.256, 23.612

 78, 77.256, 23.612

 38, 77.256, 23.612

 88, 77.256, 23.612

 28, 77.256, 23.612

 98, 77.256, 23.612

 18, 77.256, 23.612

 8, 77.256, 23.612

 0, 77.256, 23.612

 58, 77.256, 23.612

 58, 77.256, 23.612

 55, 86.530, 27.975

 62, 66.994, 20.005

 54, 94.556, 32.787

 66, 56.086, 17.139

53, 98.813, 35.577

72, 44.925, 14.890

78, 33.874, 13.117

84, 23.191, 11.700

91, 13.030, 10.537

97, 3.455, 9.461

100, 0.056,
211.405

Harmonies

Complementary

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



58, 77.256, 23.612



91, 50.755, 182.555

Rectangle

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



58, 77.256, 23.612



58, 77.256, 73.612



58, 77.256, 203.612



58, 77.256, 253.612

Sweetspot

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



58, 77.252, 23.614



85, 21.366, 11.479



60, 103.720, 323.510



44, 14.471, 11.822



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 77.252, 23.614



54, 90.955, 30.477



69, 68.708, 54.052



50, 5.312, 10.092



40, 78.875, 34.742



10, 32.451, 22.176

Inverse Universe

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



58, 77.252, 23.614



54, 90.955, 30.477



72, 44.792, 255.959



50, 5.312, 10.092



40, 78.875, 34.742



10, 32.451, 22.176

Previews

White Background



This preview shows how the CIELCh color 58, 77.256, 23.612 looks on a white background.

Color Contrast Check

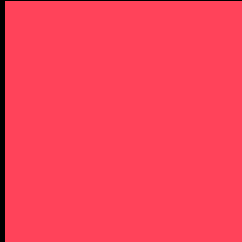
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 77.256, 23.612 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 58, 77.256, 23.612

Background



This preview shows how black text looks on a background with the CIELCh color 58, 77.256, 23.612.



This preview shows how white text looks on a background with the CIELCh color 58, 77.256, 23.612.

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

58, 77.256, 23.612

Protanopia

58, 11.244, 91.755

Deuteranopia

58, 34.624, 77.375



Tritanopia
58, 79.764, 30.511

Trichromacy



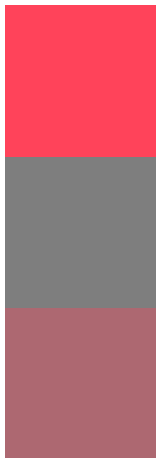
Original Color
58, 77.256, 23.612

Protanomaly
55, 31.872, 27.108

Deuteranomaly
56, 45.434, 41.458

Tritanomaly
58, 78.606, 28.142

Monochromacy



Original Color
58, 77.256, 23.612

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 29.572, 13.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 77.256, 23.612 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, 67, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 67, 90)  
}
```

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, 67, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 67, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 77.256, 23.612 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, 67, 90) }
```

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

```
.border{ border-color:rgb(255, 67, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 67, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 67, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 67, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 67,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 77.256, 23.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 67, 90) }
```

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

```
.background{ background-color: rgb(255, 67,  
90) }
```

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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