

Converting Colors

CIELCh(55, 81.202, 21.282)

Have a look what the booklet for
CIELCh(55, 81.202, 21.282) contains.

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Color

CIELCh(55, 81.155, 21.193)

Conversions

Conversions Part 1

Format	Color
Hex	FB2C56
RGB	251, 44, 86
RGB Percent	98%, 17%, 34%
CMY	0.0164, 0.8283, 0.6632
CMYK	0.00, 0.83, 0.66, 0.02
HSL	348°, 96%, 58%
HSV	348°, 83%, 98%
XYZ	42.2861, 22.9298, 10.9742
YIQ	110.6810, 109.8900, 56.9460

Conversions

Conversions Part 2

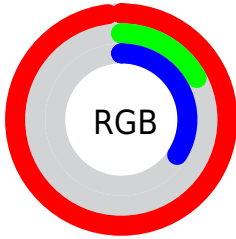
Format	Color
RYB	251, 44, 86
Decimal	16460886
CIELab	55.00, 75.67, 29.34
CIElCh	55, 81.155, 21.193
Yxy	22.9298, 0.5550, 0.3010
Android (android.graphics.Color)	4294650966 (0xFFFB2C56)
YUV	110.6810, -12.1677, 123.0598
Hunter-Lab	47.8851, 73.8298, 19.9316

Details

The CIELCh color **55, 81.155, 21.193** 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 **89, 57.414, 173.303**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 58.312, 14.829**, and **39, 72.374, 27.908** is the 20% darker color. If you saturate the color by 10%, you get **53, 87.970, 26.318**, and if you desaturate by 10%, it is **58, 73.088, 16.872**.

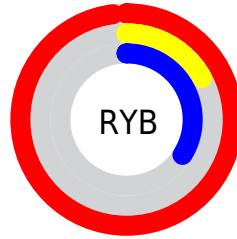
Distribution



Red (98%)

Green (17%)

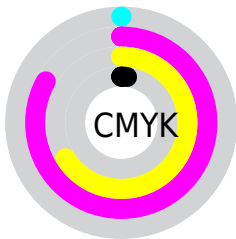
Blue (34%)



Red (98%)

Yellow (17%)

Blue (34%)

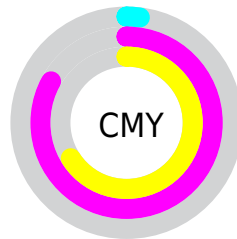


Cyan (0%)

Magenta (83%)

Yellow (66%)

Black (2%)



Cyan (2%)

Magenta (83%)

Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 81.155, 21.193 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, 81.155, 21.193 by changing the saturation by 10% instead.

 55, 81.155, 21.193

 55, 81.155, 21.193

 100, 81.155,
21.193

 45, 81.155, 21.193


 75, 81.155, 21.193

 35, 81.155, 21.193

 85, 81.155, 21.193

 25, 81.155, 21.193

 95, 81.155, 21.193

 15, 81.155, 21.193

 5, 81.155, 21.193

 0, 81.155, 21.193

 55, 81.155, 21.193

 55, 81.155, 21.193

 53, 87.970, 26.318

 58, 73.088, 16.872

 53, 92.490, 30.325

 62, 63.826, 13.401

66, 53.683, 10.666

72, 43.085, 8.505

78, 32.422, 6.774

84, 21.978, 5.359

90, 11.927, 4.168

97, 2.358, 2.975

100, 1.451,
199.770

Harmonies

Complementary

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



55, 81.155, 21.193



89, 57.414, 173.303

Rectangle

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



55, 81.155, 21.193



55, 81.155, 71.193



55, 81.155, 201.193



55, 81.155, 251.193

Sweetspot

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



55, 81.151, 21.195



83, 24.843, 5.686



54, 109.514, 320.736



42, 17.081, 6.175



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, 81.151, 21.195



54, 93.079, 29.865



62, 79.863, 47.489



49, 5.346, 3.833



39, 74.004, 29.293



9, 30.976, 17.614

Inverse Universe

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



55, 81.151, 21.195



54, 93.079, 29.865



73, 43.310, 245.715



49, 5.346, 3.833



39, 74.004, 29.293



9, 30.976, 17.614

Previews

White Background



This preview shows how the CIELCh color 55, 81.155, 21.193 looks on a white background.

Color Contrast Check

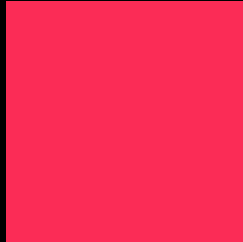
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.155, 21.193 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, 81.155, 21.193

Background



This preview shows how black text looks on a background with the CIELCh color 55, 81.155, 21.193.



This preview shows how white text looks on a background with the CIELCh color 55, 81.155, 21.193.

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, 81.155, 21.193

Protanopia

55, 6.602, 91.340

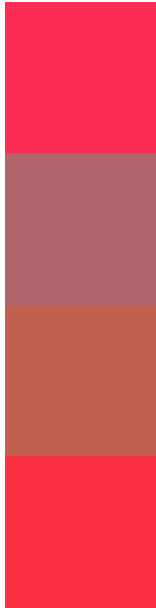
Deuteranopia

55, 33.497, 77.718



Tritanopia
55, 86.982, 33.948

Trichromacy



Original Color
55, 81.155, 21.193

Protanomaly
51, 33.595, 16.224

Deuteranomaly
52, 46.926, 36.482

Tritanomaly
55, 84.434, 29.755

Monochromacy



Original Color
55, 81.155, 21.193

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 32.996, 9.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 81.155, 21.193 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(251, 44, 86)` looks like.

```
.text, #text, p{  
    color:rgb(251, 44, 86)  
}
```

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(251, 44, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 44, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 81.155, 21.193 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(251, 44, 86) }
```

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

```
.border{ border-color:rgb(251, 44, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 44, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 44, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 44, 86);  
box-shadow:4px 4px 4px 4px rgb(251, 44,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 81.155, 21.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 44, 86) }
```

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

```
.background{ background-color: rgb(251, 44,  
86) }
```

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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