

Converting Colors

CIELCh(56, 80.989, 21.844)

Have a look what the booklet for
CIELCh(56, 80.989, 21.844) contains.

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Color

CIELCh(56, 81.149, 21.788)

Conversions

Conversions Part 1

Format	Color
Hex	FE3157
RGB	254, 49, 87
RGB Percent	100%, 19%, 34%
CMY	0.0045, 0.8085, 0.6592
CMYK	0.00, 0.81, 0.66, 0.00
HSL	349°, 99%, 59%
HSV	349°, 81%, 100%
XYZ	43.6281, 23.9124, 11.3109
YIQ	114.6270, 109.9820, 55.2780

Conversions

Conversions Part 2

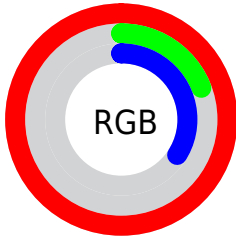
Format	Color
R_{YB}	254, 49, 87
Decimal	16658775
CIE Lab	56.00, 75.35, 30.12
CIE LCh	56, 81.149, 21.788
Yxy	23.9124, 0.5533, 0.3033
Android (android.graphics.Color)	4294848855 (0xFFFE3157)
YUV	114.6270, -13.6201, 122.2301
Hunter-Lab	48.9003, 73.6794, 20.5161

Details

The CIELCh color **56, 81.149, 21.788** 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, 56.275, 175.263**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 56.690, 15.161**, and **40, 73.198, 27.835** is the 20% darker color. If you saturate the color by 10%, you get **54, 88.545, 26.770**, and if you desaturate by 10%, it is **59, 72.523, 17.601**.

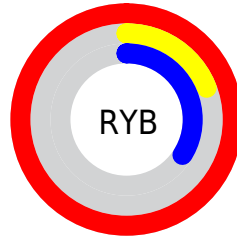
Distribution



Red (100%)

Green (19%)

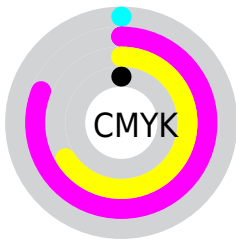
Blue (34%)



Red (100%)

Yellow (19%)

Blue (34%)

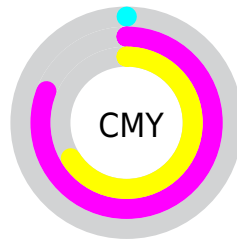


Cyan (0%)

Magenta (81%)

Yellow (66%)

Black (0%)



Cyan (0%)

Magenta (81%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 81.149, 21.788 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 56, 81.149, 21.788 by changing the saturation by 10% instead.

 56, 81.149, 21.788

 56, 81.149, 21.788

 100, 81.149,
21.788

 46, 81.149, 21.788

 76, 81.149, 21.788

 36, 81.149, 21.788

 86, 81.149, 21.788

 26, 81.149, 21.788

 96, 81.149, 21.788

 16, 81.149, 21.788

 6, 81.149, 21.788

 0, 81.149, 21.788

 56, 81.149, 21.788

 56, 81.149, 21.788

 54, 88.545, 26.770

 59, 72.523, 17.601

 53, 94.493, 31.637

 63, 62.797, 14.243

68, 52.318, 11.599

73, 41.507, 9.510

79, 30.734, 7.837

86, 20.255, 6.470

92, 10.223, 5.314

99, 0.706, 3.551

100, 0.397,
201.050

Harmonies

Complementary

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



56, 81.149, 21.788



90, 56.275, 175.263

Rectangle

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



56, 81.149, 21.788



56, 81.149, 71.788



56, 81.149, 201.788



56, 81.149, 251.788

Sweetspot

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



56, 81.145, 21.790



84, 23.694, 6.886



56, 109.190, 321.308



42, 16.416, 7.373



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 81.145, 21.790



54, 92.917, 30.127



64, 78.087, 48.629



50, 5.403, 5.178



40, 75.661, 30.653



10, 32.069, 19.437

Inverse Universe

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



56, 81.145, 21.790



54, 92.917, 30.127



73, 43.911, 247.960



50, 5.403, 5.178



40, 75.661, 30.653



10, 32.069, 19.437

Previews

White Background



This preview shows how the CIELCh color 56, 81.149, 21.788 looks on a white background.

Color Contrast Check

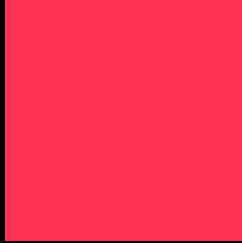
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 81.149, 21.788 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 56, 81.149, 21.788

Background



This preview shows how black text looks on a background with the CIELCh color 56, 81.149, 21.788.



This preview shows how white text looks on a background with the CIELCh color 56, 81.149, 21.788.

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

56, 81.149, 21.788

Protanopia

56, 7.798, 90.854

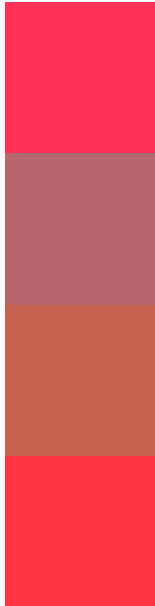
Deuteranopia

56, 34.135, 77.479



Tritanopia
56, 86.373, 33.479

Trichromacy



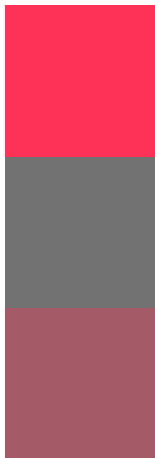
Original Color
56, 81.149, 21.788

Protanomaly
53, 33.541, 18.037

Deuteranomaly
53, 47.199, 37.566

Tritanomaly
56, 84.140, 29.519

Monochromacy



Original Color
56, 81.149, 21.788

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 32.779, 10.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 81.149, 21.788 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(254, 49, 87)` looks like.

```
.text, #text, p{  
    color:rgb(254, 49, 87)  
}
```

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(254, 49, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 49, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 81.149, 21.788 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(254, 49, 87) }
```

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

```
.border{ border-color:rgb(254, 49, 87) }
```

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

Here you see how a box with a 4 pixel rgb(254, 49, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 49, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 49, 87);  
box-shadow:4px 4px 4px 4px rgb(254, 49,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 81.149, 21.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 49, 87) }
```

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

```
.background{ background-color: rgb(254, 49,  
87) }
```

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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