

Converting Colors

CIELCh(56, 86.675, 33.227)

Have a look what the booklet for
CIELCh(56, 86.675, 33.227) contains.

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Color

CIELCh(56, 86.545, 33.326)

Conversions

Conversions Part 1

Format	Color
Hex	FD3738
RGB	253, 55, 56
RGB Percent	99%, 22%, 22%
CMY	0.0077, 0.7841, 0.7803
CMYK	0.00, 0.78, 0.78, 0.01
HSL	360°, 98%, 60%
HSV	360°, 78%, 99%
XYZ	42.6051, 23.9124, 6.1148
YIQ	114.3160, 117.6870, 42.2870

Conversions

Conversions Part 2

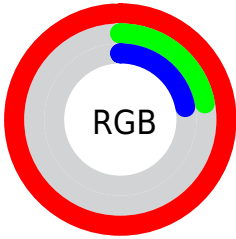
Format	Color
RYB	253, 55, 56
Decimal	16594744
CIELab	56.00, 72.31, 47.55
CIElCh	56, 86.545, 33.326
Yxy	23.9124, 0.5866, 0.3292
Android (android.graphics.Color)	4294784824 (0xFFFD3738)
YUV	114.3160, -28.7498, 121.6259
Hunter-Lab	48.9003, 69.9450, 26.8162

Details

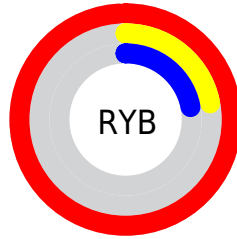
The CIELCh color **56, 86.545, 33.326** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 47.436, 195.906**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 60.591, 33.288**, and **39, 80.369, 37.727** is the 20% darker color. If you saturate the color by 10%, you get **54, 96.433, 36.935**, and if you desaturate by 10%, it is **59, 75.112, 29.816**.

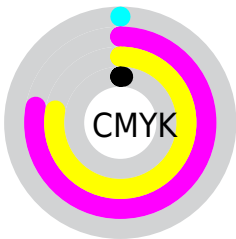
Distribution



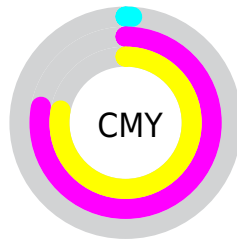
- Red (99%)
- Green (22%)
- Blue (22%)



- Red (99%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (1%)



- Cyan (1%)
- Magenta (78%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 86.545, 33.326 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, 86.545, 33.326 by changing the saturation by 10% instead.

 56, 86.545, 33.326

 56, 86.545, 33.326

 100, 86.545,
33.326

 46, 86.545, 33.326

 76, 86.545, 33.326

 36, 86.545, 33.326

 86, 86.545, 33.326

 26, 86.545, 33.326

 96, 86.545, 33.326

 16, 86.545, 33.326

 6, 86.545, 33.326


 0, 86.545, 33.326

 56, 86.545, 33.326

 56, 86.545, 33.326

 54, 96.433, 36.935

 59, 75.112, 29.816

 53, 102.874,

 63, 63.076, 26.862

39.507

69, 50.961, 24.529

53, 103.768,
39.863

74, 39.147, 22.734

80, 27.891, 21.360

87, 17.335, 20.301

94, 7.528, 19.445

100, 0.682,
200.334

Harmonies

Complementary

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



56, 86.545, 33.326



91, 47.436, 195.906

Rectangle

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



56, 86.545, 33.326



56, 86.545, 83.326



56, 86.545, 213.326



56, 86.545, 263.326

Sweetspot

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



56, 86.542, 33.328



84, 22.408, 20.773



62, 106.847, 327.425



43, 15.725, 21.171



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, 86.542, 33.328



54, 101.303, 38.635



72, 70.823, 63.561



49, 5.253, 19.549



40, 84.003, 39.806



10, 33.326, 26.983

Inverse Universe

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



56, 86.542, 33.328



54, 101.303, 38.635



63, 55.875, 273.350



49, 5.253, 19.549



40, 84.003, 39.806



10, 33.326, 26.983

Previews

White Background



This preview shows how the CIELCh color 56, 86.545, 33.326 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, 86.545, 33.326 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, 86.545, 33.326

Background



This preview shows how black text looks on a background with the CIELCh color 56, 86.545, 33.326.



This preview shows how white text looks on a background with the CIELCh color 56, 86.545, 33.326.

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, 86.545, 33.326

Protanopia

56, 31.846, 96.561

Deuteranopia

56, 51.174, 81.842



Tritanopia
56, 86.545, 33.326

Trichromacy



Original Color
56, 86.545, 33.326

Protanomaly
53, 43.912, 49.249

Deuteranomaly
54, 59.365, 53.121

Tritanomaly
56, 86.545, 33.326

Monochromacy



Original Color
56, 86.545, 33.326

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 32.040, 23.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 86.545, 33.326 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(253, 55, 56)` looks like.

```
.text, #text, p{  
  color:rgb(253, 55, 56)  
}
```

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(253, 55, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 55, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 86.545, 33.326 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(253, 55, 56) }
```

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

```
.border{ border-color:rgb(253, 55, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 55, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 55, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 55, 56);  
box-shadow:4px 4px 4px 4px rgb(253, 55,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 86.545, 33.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 55, 56) }
```

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

```
.background{ background-color: rgb(253, 55,  
56) }
```

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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