

Converting Colors

CIELCh(56, 87.913, 32.794)

Have a look what the booklet for
CIELCh(56, 87.913, 32.794) contains.

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Color

CIELCh(56, 87.945, 32.831)

Conversions

Conversions Part 1

Format	Color
Hex	FF3338
RGB	255, 51, 56
RGB Percent	100%, 20%, 22%
CMY	0.0000, 0.7999, 0.7804
CMYK	0.00, 0.80, 0.78, 0.00
HSL	359°, 100%, 60%
HSV	359°, 80%, 100%
XYZ	43.1365, 23.9124, 6.0832
YIQ	112.5660, 119.9790, 44.8030

Conversions

Conversions Part 2

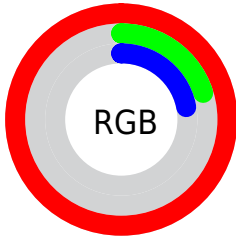
Format	Color
R_{YB}	255, 51, 56
Decimal	16724792
CIE _{Lab}	56.00, 73.90, 47.68
CIE _{LCh}	56, 87.945, 32.831
Yxy	23.9124, 0.5898, 0.3270
Android (android.graphics.Color)	4294914872 (0xFFFF3338)
YUV	112.5660, -27.8870, 124.9146
Hunter-Lab	48.9003, 71.8849, 26.8546

Details

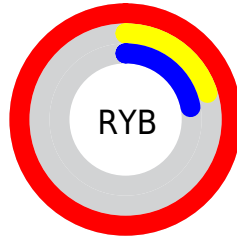
The CIELCh color **56, 87.945, 32.831** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 48.689, 193.369**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 61.130, 32.438**, and **39, 81.059, 37.777** is the 20% darker color. If you saturate the color by 10%, you get **54, 97.432, 36.636**, and if you desaturate by 10%, it is **59, 76.862, 29.123**.

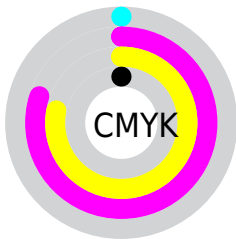
Distribution



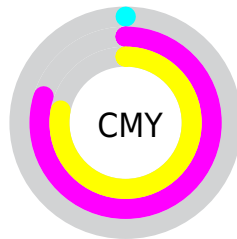
- Red (100%)
- Green (20%)
- Blue (22%)



- Red (100%)
- Yellow (20%)
- Blue (22%)



- Cyan (0%)
- Magenta (80%)
- Yellow (78%)
- Black (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 87.945, 32.831 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, 87.945, 32.831 by changing the saturation by 10% instead.

 56, 87.945, 32.831

 56, 87.945, 32.831

 100, 87.945,
32.831

 46, 87.945, 32.831

 76, 87.945, 32.831

 36, 87.945, 32.831

 86, 87.945, 32.831

 26, 87.945, 32.831

 96, 87.945, 32.831

 16, 87.945, 32.831

 6, 87.945, 32.831


 0, 87.945, 32.831

 56, 87.945, 32.831

 56, 87.945, 32.831

 54, 97.432, 36.636

 59, 76.862, 29.123

 53, 103.616,

 63, 65.067, 25.989

39.330

68, 53.066, 23.500

53, 103.619,
39.331

74, 41.253, 21.573

80, 29.916, 20.089

86, 19.224, 18.935

93, 9.250, 18.008

100, 0.012,
291.037

Harmonies

Complementary

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



56, 87.945, 32.831



91, 48.689, 193.369

Rectangle

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



56, 87.945, 32.831



56, 87.945, 82.831



56, 87.945, 212.831



56, 87.945, 262.831

Sweetspot

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



56, 87.942, 32.833



84, 23.424, 19.364



61, 108.630, 326.882



42, 16.303, 19.782



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, 87.942, 32.833



54, 101.620, 38.500



71, 73.063, 61.801



49, 5.253, 17.966



40, 83.143, 39.048



10, 33.166, 26.202

Inverse Universe

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



56, 87.942, 32.833



54, 101.620, 38.500



64, 55.780, 272.208



49, 5.253, 17.966



40, 83.143, 39.048



10, 33.166, 26.202

Previews

White Background



This preview shows how the CIELCh color 56, 87.945, 32.831 looks on a white background.

Color Contrast Check

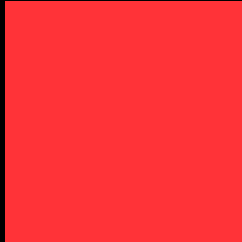
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.945, 32.831 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, 87.945, 32.831

Background



This preview shows how black text looks on a background with the CIELCh color 56, 87.945, 32.831.



This preview shows how white text looks on a background with the CIELCh color 56, 87.945, 32.831.

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, 87.945, 32.831

Protanopia

56, 31.317, 96.476

Deuteranopia

56, 51.563, 81.954



Tritanopia
56, 88.827, 34.127

Trichromacy



Original Color
56, 87.945, 32.831

Protanomaly
53, 44.224, 47.726

Deuteranomaly
54, 59.512, 52.602

Tritanomaly
56, 88.565, 33.843

Monochromacy



Original Color
56, 87.945, 32.831

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 33.317, 22.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 87.945, 32.831 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, 51, 56)` looks like.

```
.text, #text, p{  
  color:rgb(255, 51, 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(255, 51, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 87.945, 32.831 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, 51, 56) }
```

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

```
.border{ border-color:rgb(255, 51, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 87.945, 32.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 56) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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