

Converting Colors

CIELCh(56, 75.572, 31.918)

Have a look what the booklet for
CIELCh(56, 75.572, 31.918) contains.

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Color

CIELCh(56, 75.647, 31.857)

Conversions

Conversions Part 1

Format	Color
Hex	F24845
RGB	242, 72, 69
RGB Percent	95%, 28%, 27%
CMY	0.0514, 0.7179, 0.7297
CMYK	0.00, 0.70, 0.72, 0.05
HSL	1°, 87%, 61%
HSV	1°, 72%, 95%
XYZ	39.9688, 23.9124, 8.1280
YIQ	122.4880, 102.2830, 35.1070

Conversions

Conversions Part 2

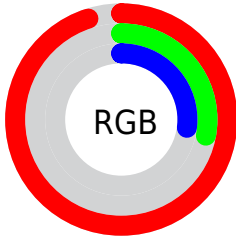
Format	Color
R_{YB}	242, 72, 69
Decimal	15878213
CIE _{Lab}	56.00, 64.25, 39.93
CIE _{LCh}	56, 75.647, 31.857
Yxy	23.9124, 0.5551, 0.3321
Android (android.graphics.Color)	4294068293 (0xFFFF24845)
YUV	122.4880, -26.3696, 104.8120
Hunter-Lab	48.9003, 60.3219, 24.3753

Details

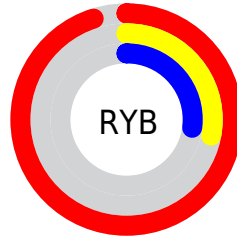
The CIELCh color **56, 75.647, 31.857** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **87, 43.128, 198.789**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.447, 31.584**, and **37, 73.703, 33.408** is the 20% darker color. If you saturate the color by 10%, you get **53, 86.529, 35.202**, and if you desaturate by 10%, it is **60, 64.037, 28.935**.

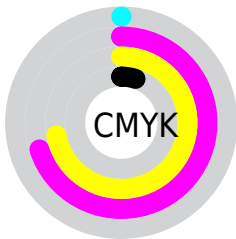
Distribution



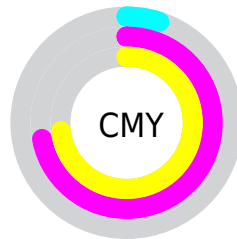
- Red (95%)
- Green (28%)
- Blue (27%)



- Red (95%)
- Yellow (28%)
- Blue (27%)



- Cyan (0%)
- Magenta (70%)
- Yellow (72%)
- Black (5%)



- Cyan (5%)
- Magenta (72%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 75.647, 31.857 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, 75.647, 31.857 by changing the saturation by 10% instead.

 56, 75.647, 31.857

 56, 75.647, 31.857

 100, 75.647,
31.857

 46, 75.647, 31.857

 76, 75.647, 31.857

 36, 75.647, 31.857

 86, 75.647, 31.857

 26, 75.647, 31.857

 96, 75.647, 31.857

 16, 75.647, 31.857

 6, 75.647, 31.857

 0, 75.647, 31.857

 56, 75.647, 31.857

 56, 75.647, 31.857

 53, 86.529, 35.202

 60, 64.037, 28.935

 51, 95.461, 38.315

 65, 52.308, 26.585

51, 100.270,
40.130

70, 40.845, 24.768

76, 29.905, 23.382

82, 19.636, 22.325

88, 10.092, 21.500

94, 1.269, 20.453

99, 4.515, 199.266

Harmonies

Complementary

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



56, 75.647, 31.857



87, 43.128, 198.789

Rectangle

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



56, 75.647, 31.857



56, 75.647, 81.857



56, 75.647, 211.857



56, 75.647, 261.857

Sweetspot

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



56, 75.644, 31.860



86, 19.977, 22.284



61, 97.023, 328.372



44, 13.670, 22.547



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, 75.644, 31.860



55, 94.837, 36.774



72, 62.191, 67.695



47, 4.908, 21.349



38, 81.461, 40.180



8, 29.455, 24.728

Inverse Universe

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



87, 43.128, 198.789



90, 47.901, 198.892



62, 52.250, 274.133



49, 4.619, 200.489



67, 38.212, 199.113



20, 16.737, 198.725

Previews

White Background



This preview shows how the CIELCh color 56, 75.647, 31.857 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, 75.647, 31.857 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, 75.647, 31.857

Background



This preview shows how black text looks on a background with the CIELCh color 56, 75.647, 31.857.



This preview shows how white text looks on a background with the CIELCh color 56, 75.647, 31.857.

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, 75.647, 31.857

Protanopia

56, 25.318, 96.089

Deuteranopia

56, 42.979, 80.115



Tritanopia
56, 74.669, 29.742

Trichromacy



Original Color
56, 75.647, 31.857

Protanomaly
54, 36.699, 48.598

Deuteranomaly
55, 49.858, 52.514

Tritanomaly
56, 75.140, 30.504

Monochromacy



Original Color
56, 75.647, 31.857

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 27.103, 24.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 75.647, 31.857 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(242, 72, 69)` looks like.

```
.text, #text, p{  
    color:rgb(242, 72, 69)  
}
```

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(242, 72, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 72, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 75.647, 31.857 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(242, 72, 69) }
```

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

```
.border{ border-color:rgb(242, 72, 69) }
```

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

Here you see how a box with a 4 pixel rgb(242, 72, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 72, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 72, 69);  
box-shadow:4px 4px 4px 4px rgb(242, 72,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 75.647, 31.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 72, 69) }
```

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

```
.background{ background-color: rgb(242, 72,  
69) }
```

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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