

Converting Colors

CIELCh(56, 76.892, 31.260)

Have a look what the booklet for
CIELCh(56, 76.892, 31.260) contains.

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Color

CIELCh(56, 77.093, 31.250)

Conversions

Conversions Part 1

Format	Color
Hex	F44545
RGB	244, 69, 69
RGB Percent	96%, 27%, 27%
CMY	0.0432, 0.7294, 0.7295
CMYK	0.00, 0.72, 0.72, 0.04
HSL	0°, 89%, 61%
HSV	0°, 72%, 96%
XYZ	40.5011, 23.9124, 8.1085
YIQ	121.3250, 104.3000, 37.1000

Conversions

Conversions Part 2

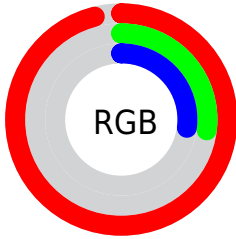
Format	Color
R_{YB}	244, 69, 69
Decimal	16008517
CIE _{Lab}	56.00, 65.91, 39.99
CIE _{LCh}	56, 77.093, 31.250
Yxy	23.9124, 0.5585, 0.3297
Android (android.graphics.Color)	4294198597 (0xFFFF44545)
YUV	121.3250, -25.7962, 107.5860
Hunter-Lab	48.9003, 62.2649, 24.3989

Details

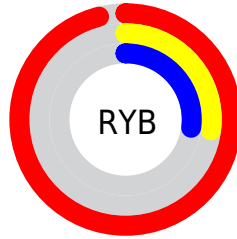
The CIELCh color **56, 77.093, 31.250** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **88, 44.367, 196.635**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 55.022, 30.598**, and **37, 74.427, 33.548** is the 20% darker color. If you saturate the color by 10%, you get **53, 87.876, 34.832**, and if you desaturate by 10%, it is **60, 65.474, 28.118**.

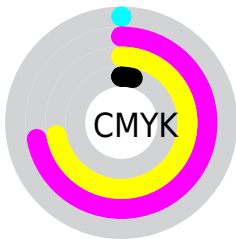
Distribution



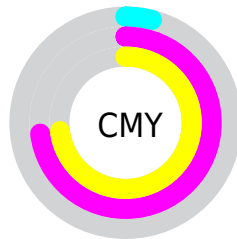
- Red (96%)
- Green (27%)
- Blue (27%)



- Red (96%)
- Yellow (27%)
- Blue (27%)



- Cyan (0%)
- Magenta (72%)
- Yellow (72%)
- Black (4%)



- Cyan (4%)
- Magenta (73%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 77.093, 31.250 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, 77.093, 31.250 by changing the saturation by 10% instead.

 56, 77.093, 31.250

 56, 77.093, 31.250

 100, 77.093,
31.250

 46, 77.093, 31.250

 76, 77.093, 31.250

 36, 77.093, 31.250

 86, 77.093, 31.250

 26, 77.093, 31.250

 96, 77.093, 31.250

 16, 77.093, 31.250

 6, 77.093, 31.250

 0, 77.093, 31.250

 56, 77.093, 31.250

 56, 77.093, 31.250

 53, 87.876, 34.832

 60, 65.474, 28.118

 52, 96.585, 38.155

 65, 53.639, 25.600

51, 101.133,
40.001

70, 41.996, 23.651

76, 30.834, 22.162

82, 20.327, 21.020

88, 10.545, 20.124

95, 1.492, 19.085

99, 3.807, 199.338

Harmonies

Complementary

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



56, 77.093, 31.250



88, 44.367, 196.635

Rectangle

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



56, 77.093, 31.250



56, 77.093, 81.250



56, 77.093, 211.250



56, 77.093, 261.250

Sweetspot

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



56, 77.090, 31.252



85, 21.362, 21.053



62, 98.973, 327.835



43, 14.505, 21.337



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, 77.090, 31.252



55, 95.288, 36.422



72, 62.792, 66.122



48, 5.080, 19.944



39, 82.550, 40.000



8, 31.023, 25.009

Inverse Universe

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



88, 44.367, 196.635



91, 48.974, 196.458



63, 51.378, 272.449



50, 4.783, 198.969



69, 39.558, 196.394



22, 17.588, 196.393

Previews

White Background



This preview shows how the CIELCh color 56, 77.093, 31.250 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, 77.093, 31.250 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, 77.093, 31.250

Background



This preview shows how black text looks on a background with the CIELCh color 56, 77.093, 31.250.



This preview shows how white text looks on a background with the CIELCh color 56, 77.093, 31.250.

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, 77.093, 31.250

Protanopia

56, 24.774, 95.933

Deuteranopia

56, 43.440, 80.310



Tritanopia
56, 76.369, 30.148

Trichromacy



Original Color
56, 77.093, 31.250

Protanomaly
54, 36.927, 46.701

Deuteranomaly
55, 50.761, 52.036

Tritanomaly
56, 76.607, 30.518

Monochromacy



Original Color
56, 77.093, 31.250

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 27.981, 22.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 77.093, 31.250 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(244, 69, 69)` looks like.

```
.text, #text, p{  
    color:rgb(244, 69, 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(244, 69, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 69, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 77.093, 31.250 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(244, 69, 69) }
```

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

```
.border{ border-color:rgb(244, 69, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 69, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 69, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 69, 69);  
box-shadow:4px 4px 4px 4px rgb(244, 69,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 77.093, 31.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 69, 69) }
```

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

```
.background{ background-color: rgb(244, 69,  
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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