

Converting Colors

CIELCh(56, 79.628, 41.721)

Have a look what the booklet for
CIELCh(56, 79.628, 41.721) contains.

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Color

CIELCh(56, 79.747, 41.804)

Conversions

Conversions Part 1

Format	Color
Hex	EE4F2B
RGB	238, 79, 43
RGB Percent	93%, 31%, 17%
CMY	0.0671, 0.6905, 0.8317
CMYK	0.00, 0.67, 0.82, 0.07
HSL	11°, 85%, 55%
HSV	11°, 82%, 93%
XYZ	38.4500, 23.9124, 4.8671
YIQ	122.4370, 106.3200, 22.5120

Conversions

Conversions Part 2

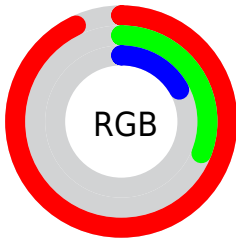
Format	Color
R_{YB}	238, 87, 43
Decimal	15617835
CIE _{Lab}	56.00, 59.45, 53.16
CIE _{LCh}	56, 79.747, 41.804
Y _{xy}	23.9124, 0.5719, 0.3557
Android (android.graphics.Color)	4293807915 (0xFFEE4F2B)
YUV	122.4370, -39.1624, 101.3488
Hunter-Lab	48.9003, 54.7777, 28.3290

Details

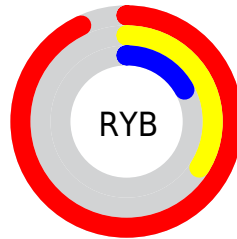
The CIELCh color **56, 79.747, 41.804** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **75, 39.653, 226.883**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 60.377, 45.820**, and **36, 78.124, 40.207** is the 20% darker color. If you saturate the color by 10%, you get **53, 89.455, 42.598**, and if you desaturate by 10%, it is **59, 68.605, 40.634**.

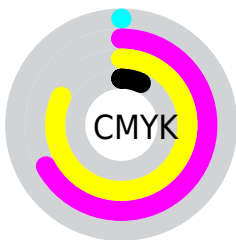
Distribution



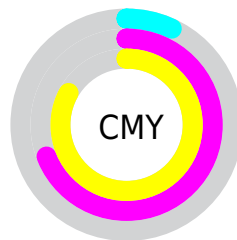
- Red (93%)
- Green (31%)
- Blue (17%)



- Red (93%)
- Yellow (34%)
- Blue (17%)



- Cyan (0%)
- Magenta (67%)
- Yellow (82%)
- Black (7%)



- Cyan (7%)
- Magenta (69%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 79.747, 41.804 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, 79.747, 41.804 by changing the saturation by 10% instead.

 56, 79.747, 41.804

 56, 79.747, 41.804

 100, 79.747,
41.804

 46, 79.747, 41.804

 76, 79.747, 41.804

 36, 79.747, 41.804

 86, 79.747, 41.804

 26, 79.747, 41.804

 96, 79.747, 41.804

 16, 79.747, 41.804

 6, 79.747, 41.804

 0, 79.747, 41.804

 56, 79.747, 41.804

 56, 79.747, 41.804

 53, 89.455, 42.598

 59, 68.605, 40.634

 52, 95.226, 42.690

 63, 57.270, 39.545

68, 46.290, 38.696

72, 35.911, 38.105

77, 26.234, 37.744

82, 17.280, 37.566

88, 9.023, 37.516

93, 1.416, 37.243

98, 5.400, 207.346

Harmonies

Complementary

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



56, 79.747, 41.804



75, 39.653, 226.883

Rectangle

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



56, 79.747, 41.804



56, 79.747, 91.804



56, 79.747, 221.804



56, 79.747, 271.804

Sweetspot

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



56, 79.744, 41.806



86, 21.092, 37.605



56, 91.488, 335.644



44, 14.606, 37.666



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, 79.744, 41.806



56, 99.102, 42.571



76, 71.565, 80.756



47, 4.270, 37.512



40, 78.013, 43.057



10, 26.430, 34.141

Inverse Universe

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



75, 39.653, 226.883



78, 43.578, 232.272



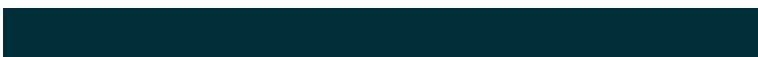
48, 78.009, 291.737



49, 4.021, 218.003



57, 34.123, 232.186



17, 14.852, 226.590

Previews

White Background



This preview shows how the CIELCh color 56, 79.747, 41.804 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, 79.747, 41.804 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, 79.747, 41.804

Background



This preview shows how black text looks on a background with the CIELCh color 56, 79.747, 41.804.



This preview shows how white text looks on a background with the CIELCh color 56, 79.747, 41.804.

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, 79.747, 41.804

Protanopia

56, 42.722, 95.654

Deuteranopia

56, 56.576, 82.731



Tritanopia
56, 71.405, 28.577

Trichromacy



Original Color
56, 79.747, 41.804

Protanomaly
55, 48.800, 64.644

Deuteranomaly
55, 61.208, 62.432

Tritanomaly
56, 74.325, 33.860

Monochromacy



Original Color
56, 79.747, 41.804

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 27.439, 37.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 79.747, 41.804 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(238, 79, 43)` looks like.

```
.text, #text, p{  
    color:rgb(238, 79, 43)  
}
```

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(238, 79, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 79, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 79.747, 41.804 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(238, 79, 43) }
```

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

```
.border{ border-color:rgb(238, 79, 43) }
```

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

Here you see how a box with a 4 pixel rgb(238, 79, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 79, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 79, 43);  
box-shadow:4px 4px 4px 4px rgb(238, 79,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 79.747, 41.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 79, 43) }
```

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

```
.background{ background-color: rgb(238, 79,  
43) }
```

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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