

Converting Colors

CIELCh(55, 82.132, 37.076)

Have a look what the booklet for
CIELCh(55, 82.132, 37.076) contains.

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Color

CIELCh(55, 82.234, 37.085)

Conversions

Conversions Part 1

Format	Color
Hex	F24231
RGB	242, 66, 49
RGB Percent	95%, 26%, 19%
CMY	0.0519, 0.7420, 0.8085
CMYK	0.00, 0.73, 0.80, 0.05
HSL	5°, 88%, 57%
HSV	5°, 80%, 95%
XYZ	39.0285, 22.9298, 5.2571
YIQ	116.6860, 110.3530, 32.0250

Conversions

Conversions Part 2

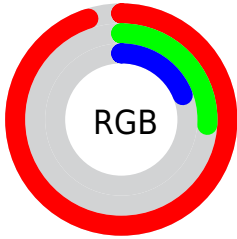
Format	Color
R_{YB}	242, 68, 49
Decimal	15876657
CIE _{Lab}	55.00, 65.60, 49.59
CIE _{LCh}	55, 82.234, 37.085
Yxy	22.9298, 0.5806, 0.3411
Android (android.graphics.Color)	4294066737 (0xFFFF24231)
YUV	116.6860, -33.3692, 109.9004
Hunter-Lab	47.8851, 61.6864, 27.0104

Details

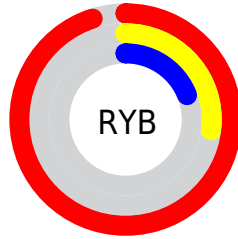
The CIELCh color **55, 82.234, 37.085** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **82, 41.783, 209.366**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 60.904, 39.028**, and **37, 78.972, 39.499** is the 20% darker color. If you saturate the color by 10%, you get **53, 92.243, 39.342**, and if you desaturate by 10%, it is **58, 70.825, 34.699**.

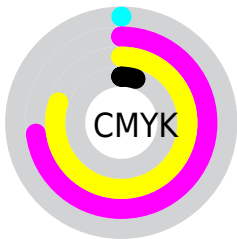
Distribution



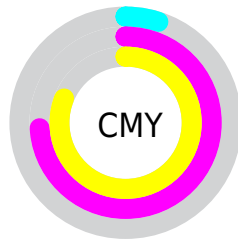
- Red (95%)
- Green (26%)
- Blue (19%)



- Red (95%)
- Yellow (27%)
- Blue (19%)



- Cyan (0%)
- Magenta (73%)
- Yellow (80%)
- Black (5%)



- Cyan (5%)
- Magenta (74%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 82.234, 37.085 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 55, 82.234, 37.085 by changing the saturation by 10% instead.

 55, 82.234, 37.085

 55, 82.234, 37.085

 100, 82.234,
37.085

 45, 82.234, 37.085

 75, 82.234, 37.085

 35, 82.234, 37.085

 85, 82.234, 37.085

 25, 82.234, 37.085

 95, 82.234, 37.085

 15, 82.234, 37.085

 5, 82.234, 37.085

 0, 82.234, 37.085

 55, 82.234, 37.085

 55, 82.234, 37.085

 53, 92.243, 39.342

 58, 70.825, 34.699

 51, 99.068, 40.748

 62, 59.125, 32.629

51, 99.188, 40.782

67, 47.653, 30.984

72, 36.692, 29.734

78, 26.396, 28.810

84, 16.828, 28.136

89, 7.989, 27.632

96, 0.158, 211.462

99, 4.558, 199.262

Harmonies

Complementary

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



55, 82.234, 37.085



82, 41.783, 209.366

Rectangle

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



55, 82.234, 37.085



55, 82.234, 87.085



55, 82.234, 217.085



55, 82.234, 267.085

Sweetspot

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



55, 82.231, 37.087



85, 21.680, 28.398



59, 98.251, 331.089



43, 15.115, 28.646



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 82.231, 37.087



54, 100.962, 40.265



73, 69.449, 72.298



47, 4.594, 27.616



39, 80.415, 40.998



9, 28.012, 28.652

Inverse Universe

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



82, 41.783, 209.366



85, 44.943, 211.508



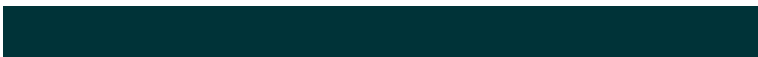
55, 65.179, 283.699



49, 4.319, 207.275



63, 35.222, 211.780



19, 15.552, 209.420

Previews

White Background



This preview shows how the CIELCh color 55, 82.234, 37.085 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 55, 82.234, 37.085 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 55, 82.234, 37.085

Background



This preview shows how black text looks on a background with the CIELCh color 55, 82.234, 37.085.



This preview shows how white text looks on a background with the CIELCh color 55, 82.234, 37.085.

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

55, 82.234, 37.085

Protanopia

55, 36.293, 95.534

Deuteranopia

55, 52.686, 82.050



Tritanopia
55, 78.128, 31.165

Trichromacy



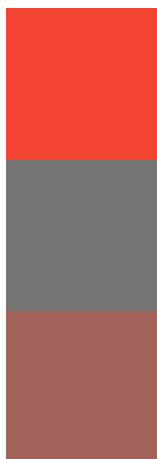
Original Color
55, 82.234, 37.085

Protanomaly
53, 45.473, 56.929

Deuteranomaly
53, 59.200, 57.420

Tritanomaly
55, 79.454, 33.447

Monochromacy



Original Color
55, 82.234, 37.085

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 29.067, 29.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 82.234, 37.085 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, 66, 49)` looks like.

```
.text, #text, p{  
    color:rgb(242, 66, 49)  
}
```

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, 66, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 66, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 82.234, 37.085 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, 66, 49) }
```

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

```
.border{ border-color:rgb(242, 66, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 66, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 66, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 66, 49);  
box-shadow:4px 4px 4px 4px rgb(242, 66,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 82.234, 37.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 66, 49) }
```

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

```
.background{ background-color: rgb(242, 66,  
49) }
```

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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