

Converting Colors

CIELCh(55, 90.507, 33.580)

Have a look what the booklet for
CIELCh(55, 90.507, 33.580) contains.

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Color

CIELCh(55, 90.722, 33.683)

Conversions

Conversions Part 1

Format	Color
Hex	FE2A31
RGB	254, 42, 49
RGB Percent	100%, 16%, 19%
CMY	0.0042, 0.8356, 0.8080
CMYK	0.00, 0.83, 0.81, 0.00
HSL	358°, 99%, 58%
HSV	358°, 83%, 100%
XYZ	42.2280, 22.9298, 5.1012
YIQ	106.1860, 124.1050, 47.1210

Conversions

Conversions Part 2

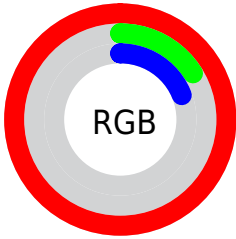
Format	Color
RYB	254, 42, 49
Decimal	16656945
CIELab	55.00, 75.49, 50.31
CIELCh	55, 90.722, 33.683
Yxy	22.9298, 0.6010, 0.3264
Android (android.graphics.Color)	4294847025 (0xFFFE2A31)
YUV	106.1860, -28.1927, 129.6329
Hunter-Lab	47.8851, 73.6132, 27.2035

Details

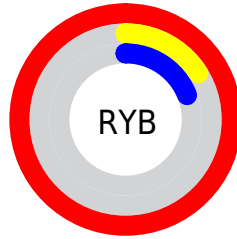
The CIELCh color **55, 90.722, 33.683** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 49.519, 192.112**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.370, 33.119**, and **39, 82.432, 39.359** is the 20% darker color. If you saturate the color by 10%, you get **54, 99.284, 37.427**, and if you desaturate by 10%, it is **58, 80.188, 29.791**.

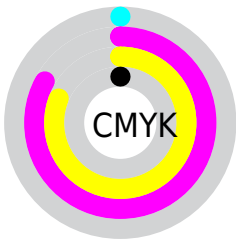
Distribution



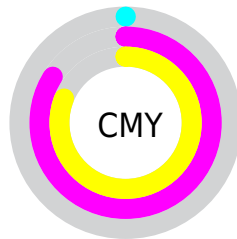
- Red (100%)
- Green (16%)
- Blue (19%)



- Red (100%)
- Yellow (16%)
- Blue (19%)



- Cyan (0%)
- Magenta (83%)
- Yellow (81%)
- Black (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 90.722, 33.683 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, 90.722, 33.683 by changing the saturation by 10% instead.

 55, 90.722, 33.683

 55, 90.722, 33.683

 100, 90.722,
33.683

 45, 90.722, 33.683

 75, 90.722, 33.683

 35, 90.722, 33.683

 85, 90.722, 33.683

 25, 90.722, 33.683

 95, 90.722, 33.683

 15, 90.722, 33.683

 5, 90.722, 33.683


 0, 90.722, 33.683

 55, 90.722, 33.683

 55, 90.722, 33.683

 54, 99.284, 37.427

 58, 80.188, 29.791

 53, 102.964,

 61, 68.730, 26.402

39.095

66, 56.890, 23.674

72, 45.088, 21.547

77, 33.649, 19.905

84, 22.787, 18.629

90, 12.608, 17.618

97, 3.140, 16.680

100, 0.370,
201.175

Harmonies

Complementary

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



55, 90.722, 33.683



91, 49.519, 192.112

Rectangle

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



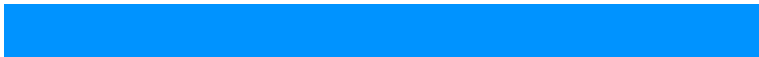
55, 90.722, 33.683



55, 90.722, 83.683



55, 90.722, 213.683



55, 90.722, 263.683

Sweetspot

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



55, 90.719, 33.685



83, 24.472, 18.804



60, 110.328, 326.916



42, 16.906, 19.232



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, 90.719, 33.685



53, 103.297, 39.099



70, 75.887, 61.194



49, 5.254, 17.263



40, 82.783, 38.722



10, 33.096, 25.852

Inverse Universe

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



55, 90.719, 33.685



53, 103.297, 39.099



63, 57.811, 273.773



49, 5.254, 17.263



40, 82.783, 38.722



10, 33.096, 25.852

Previews

White Background



This preview shows how the CIELCh color 55, 90.722, 33.683 looks on a white background.

Color Contrast Check

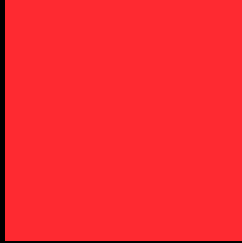
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.722, 33.683 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, 90.722, 33.683

Background



This preview shows how black text looks on a background with the CIELCh color 55, 90.722, 33.683.



This preview shows how white text looks on a background with the CIELCh color 55, 90.722, 33.683.

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, 90.722, 33.683

Protanopia

55, 33.616, 95.913

Deuteranopia

55, 54.069, 82.412



Tritanopia
55, 92.673, 35.878

Trichromacy



Original Color
55, 90.722, 33.683

Protanomaly
51, 47.093, 47.924

Deuteranomaly
52, 62.510, 53.036

Tritanomaly
55, 91.892, 35.127

Monochromacy



Original Color
55, 90.722, 33.683

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 34.648, 22.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 90.722, 33.683 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(254, 42, 49)` looks like.

```
.text, #text, p{  
    color:rgb(254, 42, 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(254, 42, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 42, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 90.722, 33.683 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(254, 42, 49) }
```

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

```
.border{ border-color:rgb(254, 42, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 42, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 42, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 42, 49);  
box-shadow:4px 4px 4px 4px rgb(254, 42,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 90.722, 33.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 42, 49) }
```

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

```
.background{ background-color: rgb(254, 42,  
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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