

Converting Colors

CIELCh(55, 101.612, 41.613)

Have a look what the booklet for
CIELCh(55, 101.612, 41.613)
contains.

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Color

CIELCh(55, 101.293, 41.649)

Conversions

Conversions Part 1

Format	Color
Hex	FF2803
RGB	255, 40, 3
RGB Percent	100%, 16%, 1%
CMY	0.0000, 0.8429, 0.9891
CMYK	0.00, 0.84, 0.99, 0.00
HSL	9°, 100%, 51%
HSV	9°, 99%, 100%
XYZ	42.2937, 22.9298, 2.2765
YIQ	100.0670, 140.0170, 34.0730

Conversions

Conversions Part 2

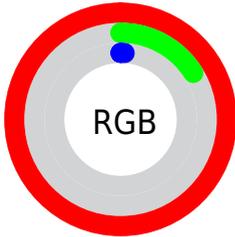
Format	Color
R_{YB}	255, 46, 3
Decimal	16721923
CIE Lab	55.00, 75.69, 67.32
CIE LCh	55, 101.293, 41.649
Yxy	22.9298, 0.6266, 0.3397
Android (android.graphics.Color)	4294912003 (0xFFFF2803)
YUV	100.0670, -47.8540, 135.8762
Hunter-Lab	47.8851, 73.8581, 30.7008

Details

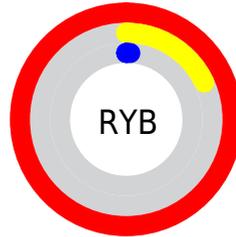
The CIELCh color **55, 101.293, 41.649** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **80, 43.540, 224.508**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 74.768, 44.775**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **55, 101.758, 41.743**, and if you desaturate by 10%, it is **57, 93.276, 41.069**.

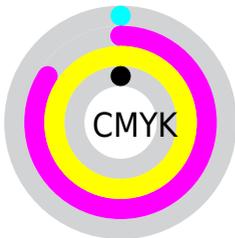
Distribution



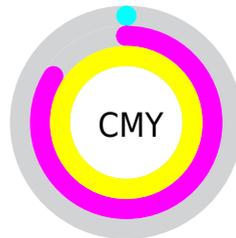
- Red (100%)
- Green (16%)
- Blue (1%)



- Red (100%)
- Yellow (18%)
- Blue (1%)



- Cyan (0%)
- Magenta (84%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 101.293, 41.649 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, 101.293, 41.649 by changing the saturation by 10% instead.

 55, 101.293,
41.649

 55, 101.293,
41.649

 100, 101.293,
41.649

 45, 101.293,
41.649

 75, 101.293,
41.649

 35, 101.293,
41.649

 85, 101.293,
41.649

 25, 101.293,
41.649

 95, 101.293,
41.649

 15, 101.293,
41.649

 5, 101.293, 41.649

 0, 101.293, 41.649

■ 55, 101.293,
41.649

■ 55, 101.293,
41.649

■ 55, 101.758,
41.743

■ 57, 93.276, 41.069

■ 60, 82.420, 39.601

■ 63, 70.416, 37.969

■ 68, 58.343, 36.555

■ 72, 46.688, 35.456

■ 78, 35.682, 34.662

■ 83, 25.426, 34.124

■ 89, 15.941, 33.784

■ 95, 7.201, 33.568

Harmonies

Complementary

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



55, 101.293, 41.649



80, 43.540, 224.508

Rectangle

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



55, 101.293, 41.649



55, 101.293, 91.649



55, 101.293, 221.649



55, 101.293, 271.649

Sweetspot

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



55, 101.040, 41.662



83, 26.507, 34.172



59, 103.827, 334.431



42, 18.408, 34.381



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, 101.040, 41.662



55, 101.758, 41.743



74, 82.242, 72.120



50, 4.607, 33.580



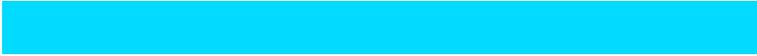
41, 81.575, 42.061



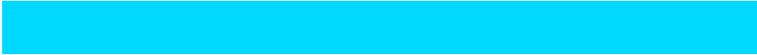
11, 30.740, 34.432

Inverse Universe

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



80, 43.540, 224.508



80, 43.582, 224.823



46, 93.463, 295.013



52, 4.331, 213.741



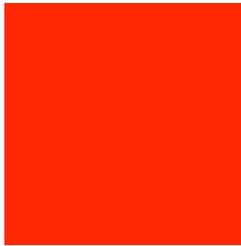
62, 35.119, 224.267



20, 16.244, 220.463

Previews

White Background



This preview shows how the CIELCh color 55, 101.293, 41.649 looks on a white background.

Color Contrast Check

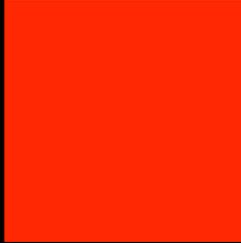
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 55, 101.293, 41.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

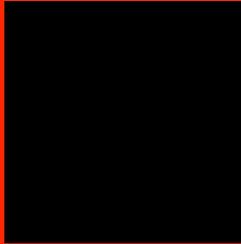
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 101.293, 41.649

Background



This preview shows how black text looks on a background with the CIELCh color 55, 101.293, 41.649.



This preview shows how white text looks on a background with the CIELCh color 55, 101.293, 41.649.

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](#).

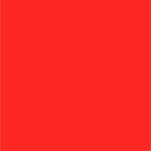
Dichromacy



Original Color
55, 101.016, 41.635

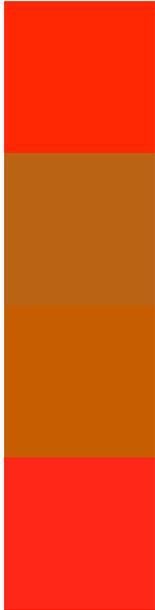
Protanopia
55, 52.469, 95.434

Deuteranopia
55, 60.890, 83.867



Tritanopia
55, 95.073, 36.880

Trichromacy



Original Color
55, 101.016, 41.635

Protanomaly
51, 62.591, 60.742

Deuteranomaly
52, 71.136, 58.265

Tritanomaly
55, 97.864, 39.175

Monochromacy



Original Color
55, 101.016, 41.635

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 38.533, 35.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 101.293, 41.649 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(255, 40, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 3)  
}
```

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(255, 40, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 101.293, 41.649 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(255, 40, 3) }
```

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

```
.border{ border-color:rgb(255, 40, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 40, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 101.293, 41.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 3) }
```

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

```
.background{ background-color: rgb(255, 40,  
3) }
```

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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