

Converting Colors

CIELCh(55, 99.302, 40.181)

Have a look what the booklet for
CIELCh(55, 99.302, 40.181) contains.

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Color

CIELCh(55, 99.090, 40.281)

Conversions

Conversions Part 1

Format	Color
Hex	FF2910
RGB	255, 41, 16
RGB Percent	100%, 16%, 6%
CMY	0.0000, 0.8409, 0.9358
CMYK	0.00, 0.84, 0.94, 0.00
HSL	6°, 100%, 53%
HSV	6°, 94%, 100%
XYZ	42.2621, 22.9298, 2.7037
YIQ	102.1360, 135.5690, 37.5930

Conversions

Conversions Part 2

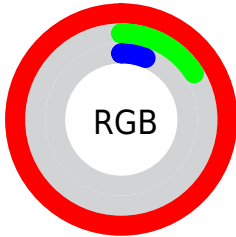
Format	Color
R_{YB}	255, 44, 16
Decimal	16722192
CIE Lab	55.00, 75.59, 64.07
CIE LCh	55, 99.090, 40.281
Yxy	22.9298, 0.6225, 0.3377
Android (android.graphics.Color)	4294912272 (0xFFFF2910)
YUV	102.1360, -42.4650, 134.0617
Hunter-Lab	47.8851, 73.7402, 30.1719

Details

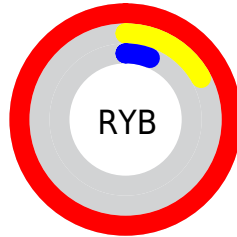
The CIELCh color **55, 99.090, 40.281** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **84, 44.388, 213.699**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 72.416, 43.070**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 103.029, 40.930**, and if you desaturate by 10%, it is **57, 89.569, 38.525**.

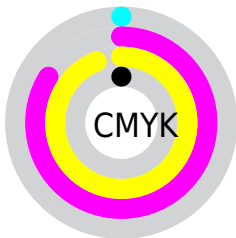
Distribution



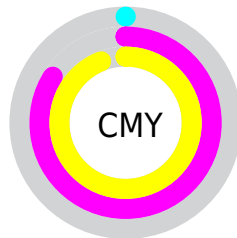
- Red (100%)
- Green (16%)
- Blue (6%)



- Red (100%)
- Yellow (17%)
- Blue (6%)



- Cyan (0%)
- Magenta (84%)
- Yellow (94%)
- Black (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 99.090, 40.281 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, 99.090, 40.281 by changing the saturation by 10% instead.

 55, 99.090, 40.281

 55, 99.090, 40.281

 100, 99.090,
40.281

 45, 99.090, 40.281

 75, 99.090, 40.281

 35, 99.090, 40.281

 85, 99.090, 40.281

 25, 99.090, 40.281

 95, 99.090, 40.281


 15, 99.090, 40.281

 5, 99.090, 40.281

 0, 99.090, 40.281

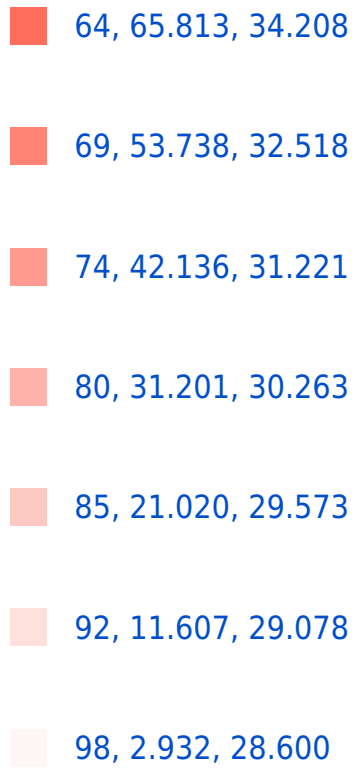
 55, 99.090, 40.281

 55, 99.090, 40.281

 54, 103.029,
40.930

 57, 89.569, 38.525

 60, 77.996, 36.280



Harmonies

Complementary

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



55, 99.090, 40.281



84, 44.388, 213.699

Rectangle

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



55, 99.090, 40.281



55, 99.090, 90.281



55, 99.090, 220.281



55, 99.090, 270.281

Sweetspot

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



55, 98.950, 40.285



83, 25.429, 29.849



59, 106.054, 332.444



42, 17.871, 30.162



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, 98.950, 40.285



54, 103.029, 40.930



74, 80.751, 70.533



50, 4.779, 28.910



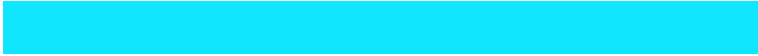
41, 82.681, 41.166



11, 31.465, 32.143

Inverse Universe

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



84, 44.388, 213.699



84, 44.522, 214.876



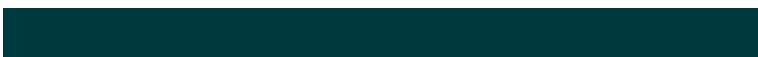
51, 83.055, 290.709



52, 4.491, 208.673



64, 35.906, 214.519



21, 16.681, 212.085

Previews

White Background



This preview shows how the CIELCh color 55, 99.090, 40.281 looks on a white background.

Color Contrast Check

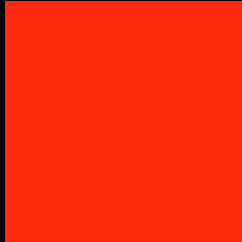
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.090, 40.281 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, 99.090, 40.281

Background



This preview shows how black text looks on a background with the CIELCh color 55, 99.090, 40.281.



This preview shows how white text looks on a background with the CIELCh color 55, 99.090, 40.281.

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, 98.962, 40.374

Protanopia

55, 50.253, 95.363

Deuteranopia

55, 60.890, 83.867



Tritanopia
55, 94.823, 36.659

Trichromacy



Original Color
55, 98.962, 40.374

Protanomaly
51, 59.994, 59.093

Deuteranomaly
52, 70.263, 57.769

Tritanomaly
55, 96.404, 38.207

Monochromacy



Original Color
55, 98.962, 40.374

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 37.340, 32.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 99.090, 40.281 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, 41, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 16)  
}
```

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, 41, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 99.090, 40.281 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, 41, 16) }
```

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

```
.border{ border-color:rgb(255, 41, 16) }
```

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

Here you see how a box with a 4 pixel rgb(255, 41, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 99.090, 40.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 16) }
```

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

```
.background{ background-color: rgb(255, 41,  
16) }
```

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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