

Converting Colors

CIELCh(56, 100.228, 42.785)

Have a look what the booklet for
CIELCh(56, 100.228, 42.785)
contains.

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Color

CIELCh(56, 99.584, 42.840)

Conversions

Conversions Part 1

Format	Color
Hex	FF3403
RGB	255, 52, 3
RGB Percent	100%, 20%, 1%
CMY	0.0000, 0.7957, 0.9880
CMYK	0.00, 0.80, 0.99, 0.00
HSL	12°, 100%, 51%
HSV	12°, 99%, 100%
XYZ	42.8417, 23.9124, 2.4451
YIQ	107.1110, 136.7170, 27.7970

Conversions

Conversions Part 2

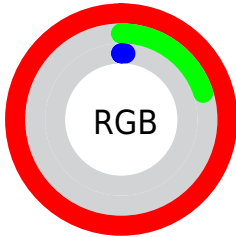
Format	Color
R_{YB}	255, 64, 3
Decimal	16724995
CIE _{Lab}	56.00, 73.02, 67.71
CIE _{LCh}	56, 99.584, 42.840
Yxy	23.9124, 0.6191, 0.3456
Android (android.graphics.Color)	4294915075 (0xFFFF3403)
YUV	107.1110, -51.3267, 129.6987
Hunter-Lab	48.9003, 70.8088, 31.2656

Details

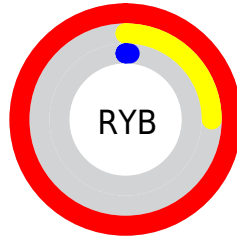
The CIELCh color **56, 99.584, 42.840** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **77, 43.803, 234.790**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 72.945, 47.368**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 100.090, 42.883**, and if you desaturate by 10%, it is **58, 91.238, 42.878**.

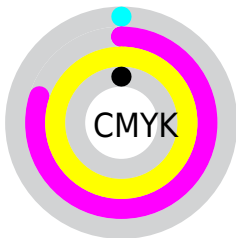
Distribution



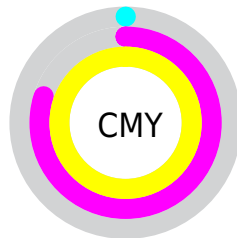
- Red (100%)
- Green (20%)
- Blue (1%)



- Red (100%)
- Yellow (25%)
- Blue (1%)



- Cyan (0%)
- Magenta (80%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 99.584, 42.840 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, 99.584, 42.840 by changing the saturation by 10% instead.

 56, 99.584, 42.840

 56, 99.584, 42.840

 100, 99.584,
42.840

 46, 99.584, 42.840

 76, 99.584, 42.840

 36, 99.584, 42.840

 86, 99.584, 42.840

 26, 99.584, 42.840

 96, 99.584, 42.840


 16, 99.584, 42.840

 6, 99.584, 42.840

 0, 99.584, 42.840

 56, 99.584, 42.840

 56, 99.584, 42.840

 56, 100.090,
42.883

 58, 91.238, 42.878

 61, 80.352, 42.035

65, 68.449, 40.973

69, 56.574, 40.046

74, 45.186, 39.359

79, 34.485, 38.913

84, 24.542, 38.676

89, 15.358, 38.601

95, 6.896, 38.623

Harmonies

Complementary

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



56, 99.584, 42.840



77, 43.803, 234.790

Rectangle

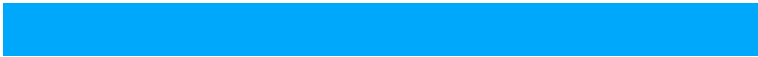
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56, 99.584, 42.840



56, 99.584, 92.840



56, 99.584, 222.840



56, 99.584, 272.840

Sweetspot

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



56, 99.257, 42.867



83, 25.691, 38.695



58, 99.888, 337.252



42, 17.843, 38.781



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, 99.257, 42.867



56, 100.090, 42.883



77, 82.317, 76.920



50, 4.467, 38.622



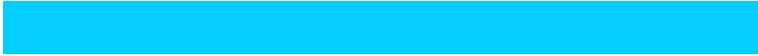
42, 80.169, 43.283



12, 30.058, 36.870

Inverse Universe

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



77, 43.803, 234.790



77, 43.906, 235.251



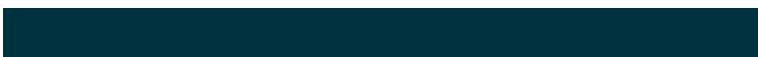
43, 101.175, 297.816



52, 4.206, 219.206



59, 35.309, 234.510



19, 16.141, 229.378

Previews

White Background



This preview shows how the CIELCh color 56, 99.584, 42.840 looks on a white background.

Color Contrast Check

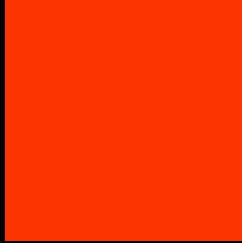
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.584, 42.840 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, 99.584, 42.840

Background



This preview shows how black text looks on a background with the CIELCh color 56, 99.584, 42.840.



This preview shows how white text looks on a background with the CIELCh color 56, 99.584, 42.840.

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, 99.281, 42.860

Protanopia

56, 53.665, 95.057

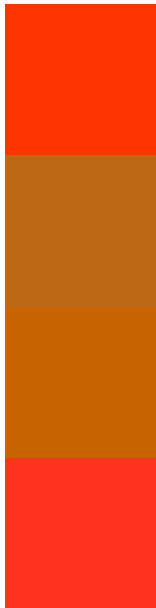
Deuteranopia

56, 61.663, 83.697



Tritanopia
56, 89.930, 34.688

Trichromacy



Original Color
56, 99.281, 42.860

Protanomaly
53, 62.781, 62.746

Deuteranomaly
53, 70.895, 60.280

Tritanomaly
56, 94.158, 38.846

Monochromacy



Original Color
56, 99.281, 42.860

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 37.338, 39.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 99.584, 42.840 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, 52, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 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, 52, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 99.584, 42.840 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, 52, 3) }
```

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

```
.border{ border-color:rgb(255, 52, 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, 52, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 52, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 99.584, 42.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 3) }
```

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

```
.background{ background-color: rgb(255, 52,  
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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