

Converting Colors

CIELCh(40, 55.040, 29.483)

Have a look what the booklet for
CIELCh(40, 55.040, 29.483) contains.

CIELCh(40, 55.160, 29.396)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 55.160, 29.396)

Conversions

Conversions Part 1

Format	Color
Hex	AA3435
RGB	170, 52, 53
RGB Percent	67%, 20%, 21%
CMY	0.3335, 0.7962, 0.7923
CMYK	0.00, 0.69, 0.69, 0.33
HSL	359°, 53%, 44%
HSV	359°, 69%, 67%
XYZ	18.4371, 11.2510, 4.5645
YIQ	87.3960, 70.0070, 25.3270

Conversions

Conversions Part 2

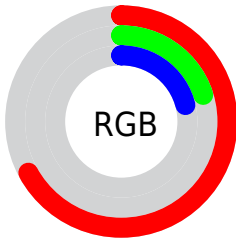
Format	Color
R _Y B	170, 52, 53
Decimal	11154485
CIE Lab	40.00, 48.06, 27.07
CIE LCh	40, 55.160, 29.396
Yxy	11.2510, 0.5383, 0.3285
Android (android.graphics.Color)	4289344565 (0xFFAA3435)
YUV	87.3960, -16.9572, 72.4437
Hunter-Lab	33.5425, 39.4157, 15.4115

Details

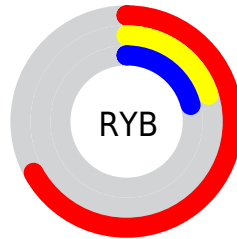
The CIELCh color **40, 55.160, 29.396** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **64, 33.086, 195.704**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 55.106, 29.382**, and **22, 52.212, 33.345** is the 20% darker color. If you saturate the color by 10%, you get **38, 63.443, 32.815**, and if you desaturate by 10%, it is **43, 46.471, 26.533**.

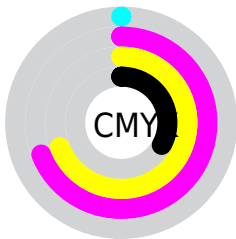
Distribution



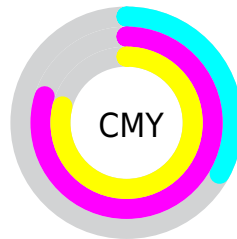
- Red (67%)
- Green (20%)
- Blue (21%)



- Red (67%)
- Yellow (20%)
- Blue (21%)



- Cyan (0%)
- Magenta (69%)
- Yellow (69%)
- Black (33%)



- Cyan (33%)
- Magenta (80%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 55.160, 29.396 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 40, 55.160, 29.396 by changing the saturation by 10% instead.

 40, 55.160, 29.396

 40, 55.160, 29.396

 100, 55.160,
29.396

 30, 55.160, 29.396

 60, 55.160, 29.396

 20, 55.160, 29.396

 70, 55.160, 29.396

 10, 55.160, 29.396

 80, 55.160, 29.396

 0, 55.160, 29.396

 90, 55.160, 29.396

 40, 55.160, 29.396

 40, 55.160, 29.396

 38, 63.443, 32.815

 43, 46.471, 26.533

 36, 70.743, 36.405

 47, 37.731, 24.261

35, 76.355, 39.382

51, 29.198, 22.499

35, 76.678, 39.544

55, 21.051, 21.140

60, 13.390, 20.084

65, 6.252, 19.231

70, 0.368, 199.999

75, 6.501, 198.242

80, 12.190,
197.800

Harmonies

Complementary

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



40, 55.160, 29.396



64, 33.086, 195.704

Rectangle

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



40, 55.160, 29.396



40, 55.160, 79.396



40, 55.160, 209.396



40, 55.160, 259.396

Sweetspot

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



40, 55.158, 29.399



76, 18.115, 20.271



44, 72.736, 327.188



39, 12.484, 20.542



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 55.158, 29.399



48, 82.142, 34.665



52, 45.097, 65.142



33, 3.723, 19.220



30, 68.721, 39.024



1, 6.573, 18.797

Inverse Universe

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



40, 55.158, 29.399



48, 82.142, 34.665



46, 36.246, 269.063



33, 3.723, 19.220



30, 68.721, 39.024



1, 6.573, 18.797

Previews

White Background



This preview shows how the CIELCh color 40, 55.160, 29.396 looks on a white 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

Black Background



This preview shows how the CIELCh color 40, 55.160, 29.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

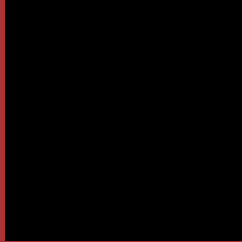
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 55.160, 29.396

Background



This preview shows how black text looks on a background with the CIELCh color 40, 55.160, 29.396.



This preview shows how white text looks on a background with the CIELCh color 40, 55.160, 29.396.

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

40, 55.160, 29.396

Protanopia

40, 16.013, 96.083

Deuteranopia

40, 30.049, 80.560



Tritanopia
40, 54.922, 28.833

Trichromacy



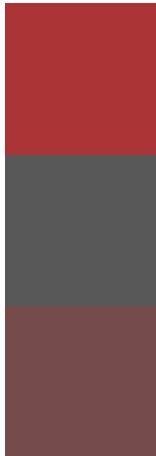
Original Color
40, 55.160, 29.396

Protanomaly
39, 25.563, 44.307

Deuteranomaly
39, 35.024, 50.795

Tritanomaly
40, 54.922, 28.833

Monochromacy



Original Color
40, 55.160, 29.396

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 19.740, 20.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 55.160, 29.396 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(170, 52, 53)` looks like.

```
.text, #text, p{  
    color:rgb(170, 52, 53)  
}
```

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(170, 52, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 52, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 55.160, 29.396 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(170, 52, 53) }
```

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

```
.border{ border-color:rgb(170, 52, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 52, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 52, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 52, 53);  
box-shadow:4px 4px 4px 4px rgb(170, 52,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 55.160, 29.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 52, 53) }
```

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

```
.background{ background-color: rgb(170, 52,  
53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor