

Converting Colors

CIELCh(40, 55.204, 26.489)

Have a look what the booklet for
CIELCh(40, 55.204, 26.489) contains.

CIELCh(40, 55.204, 26.489)	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, 55.204, 26.489)

Conversions

Conversions Part 1

Format	Color
Hex	AB3239
RGB	171, 50, 57
RGB Percent	67%, 20%, 22%
CMY	0.3291, 0.8036, 0.7762
CMYK	0.00, 0.71, 0.67, 0.33
HSL	357°, 55%, 43%
HSV	357°, 71%, 67%
XYZ	18.6964, 11.2510, 5.0651
YIQ	86.9770, 69.8690, 27.8290

Conversions

Conversions Part 2

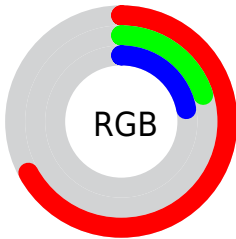
Format	Color
R_{YB}	171, 50, 57
Decimal	11219513
CIE _{Lab}	40.00, 49.41, 24.62
CIE _{LCh}	40, 55.204, 26.489
Yxy	11.2510, 0.5340, 0.3213
Android (android.graphics.Color)	4289409593 (0xFFAB3239)
YUV	86.9770, -14.7787, 73.6882
Hunter-Lab	33.5425, 40.7956, 14.5266

Details

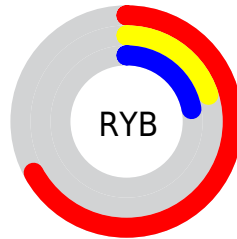
The CIELCh color **40, 55.204, 26.489** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **64, 34.569, 190.012**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 55.388, 26.360**, and **22, 51.501, 31.277** is the 20% darker color. If you saturate the color by 10%, you get **38, 62.971, 30.215**, and if you desaturate by 10%, it is **43, 46.951, 23.407**.

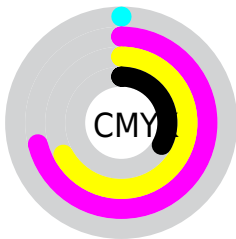
Distribution



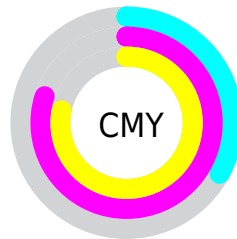
- Red (67%)
- Green (20%)
- Blue (22%)



- Red (67%)
- Yellow (20%)
- Blue (22%)



- Cyan (0%)
- Magenta (71%)
- Yellow (67%)
- Black (33%)



- Cyan (33%)
- Magenta (80%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 55.204, 26.489 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, 55.204, 26.489 by changing the saturation by 10% instead.

 40, 55.204, 26.489

 40, 55.204, 26.489

 100, 55.204,
26.489

 30, 55.204, 26.489

 60, 55.204, 26.489

 20, 55.204, 26.489

 70, 55.204, 26.489

 10, 55.204, 26.489

 80, 55.204, 26.489

 0, 55.204, 26.489

 90, 55.204, 26.489

 40, 55.204, 26.489

 40, 55.204, 26.489

 38, 62.971, 30.215

 43, 46.951, 23.407

 36, 69.878, 34.307

 47, 38.515, 20.957

35, 75.054, 37.534

51, 30.157, 19.040

55, 22.079, 17.538

60, 14.406, 16.346

65, 7.200, 15.370

70, 0.471, 13.645

75, 5.798, 194.129

80, 11.640,
193.564

Harmonies

Complementary

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



40, 55.204, 26.489



64, 34.569, 190.012

Rectangle

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



40, 55.204, 26.489



40, 55.204, 76.489



40, 55.204, 206.489



40, 55.204, 256.489

Sweetspot

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



40, 55.201, 26.491



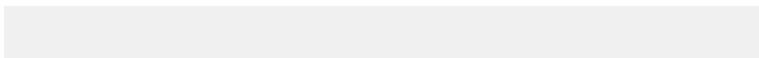
76, 18.074, 16.415



43, 73.787, 325.609



39, 12.444, 16.713



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, 55.201, 26.491



48, 81.458, 32.570



50, 46.434, 60.349



34, 3.824, 15.242



31, 67.911, 37.098



2, 7.827, 15.496

Inverse Universe

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



40, 55.201, 26.491



48, 81.458, 32.570



48, 34.432, 263.435



34, 3.824, 15.242



31, 67.911, 37.098



2, 7.827, 15.496

Previews

White Background



This preview shows how the CIELCh color 40, 55.204, 26.489 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, 55.204, 26.489 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, 55.204, 26.489

Background



This preview shows how black text looks on a background with the CIELCh color 40, 55.204, 26.489.

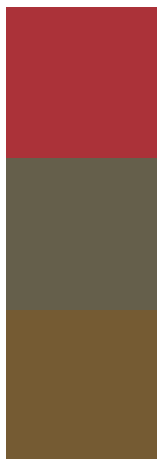


This preview shows how white text looks on a background with the CIELCh color 40, 55.204, 26.489.

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, 55.204, 26.489

Protanopia

40, 12.392, 95.622

Deuteranopia

40, 27.458, 78.708



Tritanopia
40, 55.844, 29.107

Trichromacy



Original Color
40, 55.204, 26.489

Protanomaly
39, 23.578, 38.649

Deuteranomaly
39, 34.123, 46.574

Tritanomaly
40, 55.607, 28.550

Monochromacy



Original Color
40, 55.204, 26.489

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 20.135, 19.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 55.204, 26.489 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(171, 50, 57)` looks like.

```
.text, #text, p{  
    color:rgb(171, 50, 57)  
}
```

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(171, 50, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 50, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 55.204, 26.489 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(171, 50, 57) }
```

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

```
.border{ border-color:rgb(171, 50, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 50, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 50, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 50, 57);  
box-shadow:4px 4px 4px 4px rgb(171, 50,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 55.204, 26.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 50, 57) }
```

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

```
.background{ background-color: rgb(171, 50,  
57) }
```

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