

Converting Colors

CIELCh(40, 61.892, 20.087)

Have a look what the booklet for
CIELCh(40, 61.892, 20.087) contains.

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Color

CIELCh(40, 62.111, 20.119)

Conversions

Conversions Part 1

Format	Color
Hex	B5213F
RGB	181, 33, 63
RGB Percent	71%, 13%, 25%
CMY	0.2906, 0.8710, 0.7532
CMYK	0.00, 0.82, 0.65, 0.29
HSL	348°, 69%, 42%
HSV	348°, 82%, 71%
XYZ	20.4687, 11.2510, 5.7850
YIQ	80.6720, 78.5780, 40.7060

Conversions

Conversions Part 2

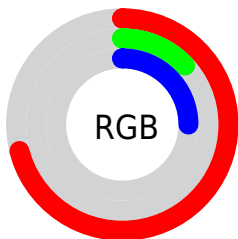
Format	Color
R_{YB}	181, 33, 63
Decimal	11870527
CIE _{Lab}	40.00, 58.32, 21.36
CIE _{LCh}	40, 62.111, 20.119
Yxy	11.2510, 0.5458, 0.3000
Android (android.graphics.Color)	4290060607 (0xFFB5213F)
YUV	80.6720, -8.7123, 87.9877
Hunter-Lab	33.5425, 50.2271, 13.2541

Details

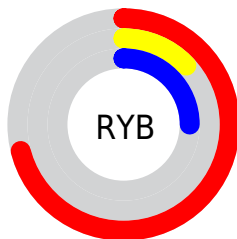
The CIELCh color **40, 62.111, 20.119** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **66, 44.268, 173.729**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 62.185, 20.326**, and **24, 53.427, 29.213** is the 20% darker color. If you saturate the color by 10%, you get **38, 67.568, 24.969**, and if you desaturate by 10%, it is **42, 55.701, 16.078**.

Distribution



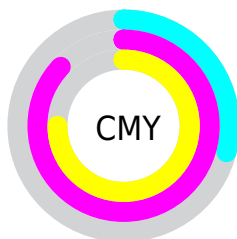
- Red (71%)
- Green (13%)
- Blue (25%)



- Red (71%)
- Yellow (13%)
- Blue (25%)



- Cyan (0%)
- Magenta (82%)
- Yellow (65%)
- Black (29%)



- Cyan (29%)
- Magenta (87%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 62.111, 20.119 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, 62.111, 20.119 by changing the saturation by 10% instead.

 40, 62.111, 20.119

 40, 62.111, 20.119

 100, 62.111,
20.119

 30, 62.111, 20.119

 60, 62.111, 20.119

 20, 62.111, 20.119

 70, 62.111, 20.119

 10, 62.111, 20.119

 80, 62.111, 20.119

 0, 62.111, 20.119

 90, 62.111, 20.119

 40, 62.111, 20.119

 40, 62.111, 20.119

 38, 67.568, 24.969

 42, 55.701, 16.078

 38, 71.623, 29.140

 45, 48.431, 12.838

■ 49, 40.560, 10.274

■ 53, 32.405, 8.236

■ 58, 24.240, 6.591

■ 63, 16.263, 5.237

■ 68, 8.594, 4.088

■ 73, 1.290, 2.822

■ 78, 5.631, 182.447

Harmonies

Complementary

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



40, 62.111, 20.119



66, 44.268, 173.729

Rectangle

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



40, 62.111, 20.119



40, 62.111, 70.119



40, 62.111, 200.119



40, 62.111, 250.119

Sweetspot

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



40, 62.108, 20.121



77, 23.211, 5.697



39, 84.383, 320.782



39, 15.942, 6.167



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



40, 62.108, 20.121



49, 86.602, 29.114



46, 60.500, 47.517



35, 4.048, 3.820



32, 62.878, 28.348



2, 9.418, 6.604

Inverse Universe

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



40, 62.108, 20.121



49, 86.602, 29.114



54, 33.377, 244.740



35, 4.048, 3.820



32, 62.878, 28.348



2, 9.418, 6.604

Previews

White Background



This preview shows how the CIELCh color 40, 62.111, 20.119 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, 62.111, 20.119 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, 62.111, 20.119

Background



This preview shows how black text looks on a background with the CIELCh color 40, 62.111, 20.119.



This preview shows how white text looks on a background with the CIELCh color 40, 62.111, 20.119.

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, 62.111, 20.119

Protanopia

40, 4.572, 87.289

Deuteranopia

40, 25.110, 77.798



Tritanopia
40, 66.092, 32.831

Trichromacy



Original Color
40, 62.111, 20.119

Protanomaly
38, 25.956, 14.532

Deuteranomaly
38, 35.297, 36.112

Tritanomaly
40, 64.139, 28.306

Monochromacy



Original Color
40, 62.111, 20.119

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 24.608, 9.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 62.111, 20.119 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(181, 33, 63)` looks like.

```
.text, #text, p{  
    color:rgb(181, 33, 63)  
}
```

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(181, 33, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 33, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 62.111, 20.119 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(181, 33, 63) }
```

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

```
.border{ border-color:rgb(181, 33, 63) }
```

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

Here you see how a box with a 4 pixel rgb(181, 33, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 33, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 33, 63);  
box-shadow:4px 4px 4px 4px rgb(181, 33,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 62.111, 20.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 33, 63) }
```

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

```
.background{ background-color: rgb(181, 33,  
63) }
```

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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