

Converting Colors

CIELCh(40, 69.754, 18.523)

Have a look what the booklet for
CIELCh(40, 69.754, 18.523) contains.

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Color

CIELCh(40, 69.504, 18.820)

Conversions

Conversions Part 1

Format	Color
Hex	BE003E
RGB	190, 0, 62
RGB Percent	75%, 0%, 24%
CMY	0.2558, 1.0000, 0.7575
CMYK	0.00, 1.00, 0.67, 0.26
HSL	340°, 100%, 37%
HSV	340°, 100%, 74%
XYZ	22.0371, 11.2510, 5.5444
YIQ	63.8780, 93.3380, 59.5620

Conversions

Conversions Part 2

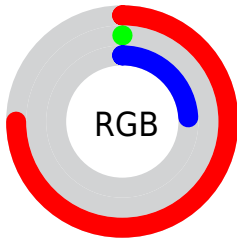
Format	Color
R_{YB}	190, 0, 62
Decimal	12451902
CIE _{Lab}	40.00, 65.79, 22.42
CIE _{LCh}	40, 69.504, 18.820
Yxy	11.2510, 0.5675, 0.2897
Android (android.graphics.Color)	4290641982 (0xFFBE003E)
YUV	63.8780, -0.9259, 110.6090
Hunter-Lab	33.5425, 58.5734, 13.6794

Details

The CIELCh color **40, 69.504, 18.820** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **68, 58.470, 159.818**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 69.533, 18.836**, and **26, 56.136, 30.236** is the 20% darker color. If you saturate the color by 10%, you get **40, 69.453, 18.858**, and if you desaturate by 10%, it is **41, 66.118, 13.703**.

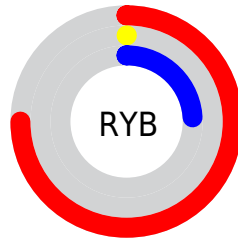
Distribution



Red (75%)

Green (0%)

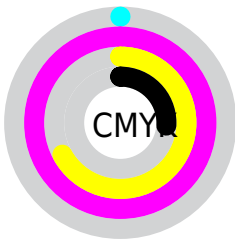
Blue (24%)



Red (75%)

Yellow (0%)

Blue (24%)

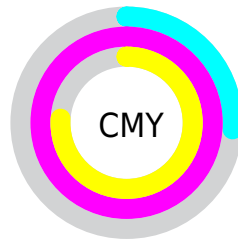


Cyan (0%)

Magenta (100%)

Yellow (67%)

Black (26%)



Cyan (26%)

Magenta (100%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 69.504, 18.820 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, 69.504, 18.820 by changing the saturation by 10% instead.

 40, 69.504, 18.820

 40, 69.504, 18.820

 100, 69.504,
18.820

 30, 69.504, 18.820

 60, 69.504, 18.820

 20, 69.504, 18.820

 70, 69.504, 18.820

 10, 69.504, 18.820

 80, 69.504, 18.820

 0, 69.504, 18.820

 90, 69.504, 18.820

 40, 69.504, 18.820

 40, 69.504, 18.820

 40, 69.453, 18.858

 41, 66.118, 13.703

 43, 61.841, 9.272

■ 45, 56.172, 5.734

■ 49, 49.258, 2.940

■ 52, 41.447, 0.719

■ 57, 33.127,
358.923

■ 62, 24.628,
357.438

■ 67, 16.185,
356.180

■ 72, 7.950, 355.077

Harmonies

Complementary

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



40, 69.504, 18.820



68, 58.470, 159.818

Rectangle

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



40, 69.504, 18.820



40, 69.504, 68.820



40, 69.504, 198.820



40, 69.504, 248.820

Sweetspot

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



40, 69.453, 18.858



78, 30.559, 357.504



34, 96.515, 316.314



39, 21.113, 358.112



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



40, 69.453, 18.858



52, 85.151, 19.873



41, 80.563, 42.523



37, 4.479, 355.008



33, 60.453, 18.002



3, 12.946, 1.310

Inverse Universe

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



40, 69.453, 18.858



52, 85.151, 19.873



60, 34.869, 228.347



37, 4.479, 355.008



33, 60.453, 18.002



3, 12.946, 1.310

Previews

White Background



This preview shows how the CIELCh color 40, 69.504, 18.820 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, 69.504, 18.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

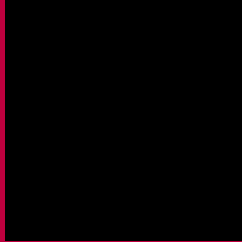
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 69.504, 18.820

Background



This preview shows how black text looks on a background with the CIELCh color 40, 69.504, 18.820.



This preview shows how white text looks on a background with the CIELCh color 40, 69.504, 18.820.

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, 69.504, 18.820

Protanopia

41, 3.835, 90.047

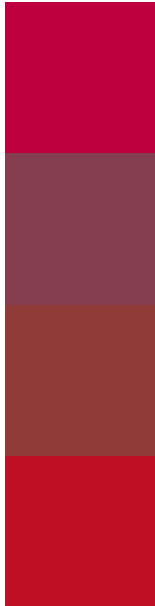
Deuteranopia

41, 26.885, 78.338



Tritanopia
41, 76.546, 37.314

Trichromacy



Original Color
40, 69.504, 18.820

Protanomaly
36, 32.624, 6.480

Deuteranomaly
37, 40.999, 29.212

Tritanomaly
40, 73.503, 31.375

Monochromacy



Original Color
40, 69.504, 18.820

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 32.938, 3.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 69.504, 18.820 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(190, 0, 62)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 62)  
}
```

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(190, 0, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 69.504, 18.820 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(190, 0, 62) }
```

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

```
.border{ border-color:rgb(190, 0, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(190, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 69.504, 18.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 62) }
```

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

```
.background{ background-color: rgb(190, 0,  
62) }
```

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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