

Converting Colors

CIELCh(40, 72.399, 25.237)

Have a look what the booklet for
CIELCh(40, 72.399, 25.237) contains.

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Color

CIELCh(40, 72.495, 25.507)

Conversions

Conversions Part 1

Format	Color
Hex	BF0030
RGB	191, 0, 48
RGB Percent	75%, 0%, 19%
CMY	0.2518, 1.0000, 0.8123
CMYK	0.00, 1.00, 0.75, 0.25
HSL	345°, 100%, 37%
HSV	345°, 100%, 75%
XYZ	21.9599, 11.2510, 3.7956
YIQ	62.5810, 98.4280, 55.4200

Conversions

Conversions Part 2

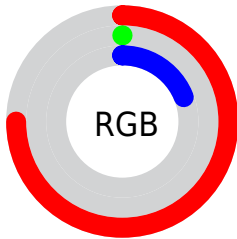
Format	Color
R_{YB}	191, 0, 48
Decimal	12517424
CIE _{Lab}	40.00, 65.43, 31.22
CIE _{LCh}	40, 72.495, 25.507
Yxy	11.2510, 0.5934, 0.3040
Android (android.graphics.Color)	4290707504 (0xFFBF0030)
YUV	62.5810, -7.1884, 112.6235
Hunter-Lab	33.5425, 58.1627, 16.7705

Details

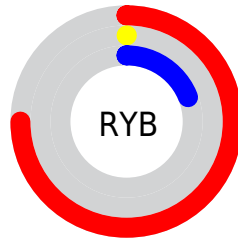
The CIELCh color **40, 72.495, 25.507** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **69, 53.390, 165.951**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 72.553, 25.525**, and **26, 61.002, 37.526** is the 20% darker color. If you saturate the color by 10%, you get **40, 72.454, 25.541**, and if you desaturate by 10%, it is **41, 67.993, 20.260**.

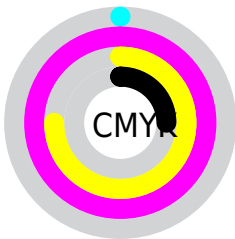
Distribution



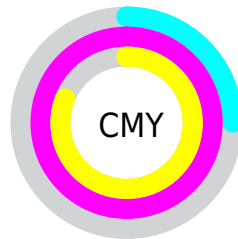
- Red (75%)
- Green (0%)
- Blue (19%)



- Red (75%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 72.495, 25.507 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, 72.495, 25.507 by changing the saturation by 10% instead.

 40, 72.495, 25.507

 40, 72.495, 25.507

 100, 72.495,
25.507

 30, 72.495, 25.507

 60, 72.495, 25.507

 20, 72.495, 25.507

 70, 72.495, 25.507

 10, 72.495, 25.507

 80, 72.495, 25.507

 0, 72.495, 25.507

 90, 72.495, 25.507

 40, 72.495, 25.507

 40, 72.495, 25.507

 40, 72.454, 25.541

 41, 67.993, 20.260

 43, 62.785, 15.551

■ 45, 56.438, 11.721

■ 49, 49.071, 8.683

■ 53, 40.996, 6.279

■ 57, 32.567, 4.355

■ 62, 24.081, 2.785

■ 67, 15.750, 1.475

■ 72, 7.703, 0.344

Harmonies

Complementary

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



40, 72.495, 25.507



69, 53.390, 165.951

Rectangle

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



40, 72.495, 25.507



40, 72.495, 75.507



40, 72.495, 205.507



40, 72.495, 255.507

Sweetspot

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



40, 72.454, 25.541



78, 29.757, 2.853



37, 95.716, 318.419



39, 20.604, 3.492



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, 72.454, 25.541



52, 88.693, 26.529



43, 78.679, 44.558



37, 4.320, 0.273



33, 62.661, 24.656



3, 12.677, 5.272

Inverse Universe

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



40, 72.454, 25.541



52, 88.693, 26.529



56, 36.186, 242.862



37, 4.320, 0.273



33, 62.661, 24.656



3, 12.677, 5.272

Previews

White Background



This preview shows how the CIELCh color 40, 72.495, 25.507 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, 72.495, 25.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

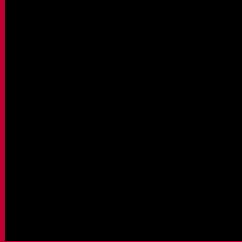
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 72.495, 25.507

Background



This preview shows how black text looks on a background with the CIELCh color 40, 72.495, 25.507.



This preview shows how white text looks on a background with the CIELCh color 40, 72.495, 25.507.

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, 72.495, 25.507

Protanopia

41, 15.373, 95.825

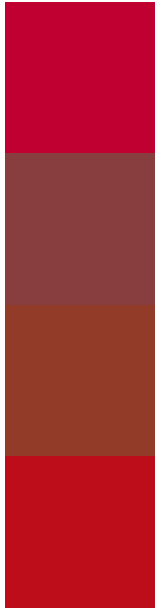
Deuteranopia

41, 35.677, 81.058



Tritanopia
40, 79.405, 38.731

Trichromacy



Original Color
40, 72.495, 25.507

Protanomaly
36, 34.925, 24.739

Deuteranomaly
37, 46.101, 39.491

Tritanomaly
40, 76.831, 34.704

Monochromacy



Original Color
40, 72.495, 25.507

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 32.742, 9.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 72.495, 25.507 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(191, 0, 48)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 48)  
}
```

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(191, 0, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 72.495, 25.507 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(191, 0, 48) }
```

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

```
.border{ border-color:rgb(191, 0, 48) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 72.495, 25.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 48) }
```

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

```
.background{ background-color: rgb(191, 0,  
48) }
```

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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