

Converting Colors

CIELCh(40, 66.648, 7.268)

Have a look what the booklet for
CIELCh(40, 66.648, 7.268) contains.

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Color

CIELCh(40, 66.674, 7.041)

Conversions

Conversions Part 1

Format	Color
Hex	BB0254
RGB	187, 2, 84
RGB Percent	73%, 1%, 33%
CMY	0.2666, 0.9919, 0.6705
CMYK	0.00, 0.99, 0.55, 0.27
HSL	333°, 98%, 37%
HSV	333°, 99%, 73%
XYZ	22.1196, 11.2510, 9.3954
YIQ	66.6630, 83.9380, 64.7220

Conversions

Conversions Part 2

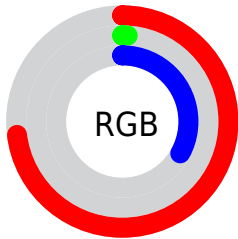
Format	Color
R_{YB}	187, 2, 84
Decimal	12255828
CIE _{Lab}	40.00, 66.17, 8.17
CIE _{LCh}	40, 66.674, 7.041
Yxy	11.2510, 0.5172, 0.2631
Android (android.graphics.Color)	4290445908 (0xFFBB0254)
YUV	66.6630, 8.5471, 105.5355
Hunter-Lab	33.5425, 59.0127, 6.8723

Details

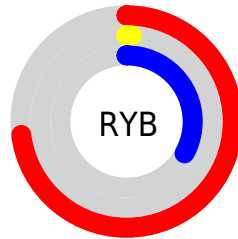
The CIELCh color **40, 66.674, 7.041** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **67, 65.962, 152.409**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 66.642, 7.200**, and **26, 51.496, 17.770** is the 20% darker color. If you saturate the color by 10%, you get **40, 66.882, 7.529**, and if you desaturate by 10%, it is **41, 64.742, 2.729**.

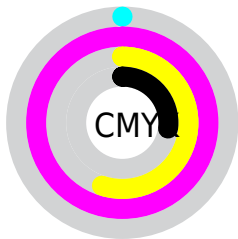
Distribution



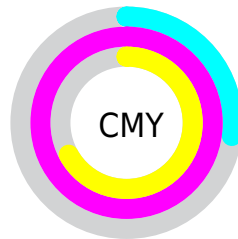
- Red (73%)
- Green (1%)
- Blue (33%)



- Red (73%)
- Yellow (1%)
- Blue (33%)



- Cyan (0%)
- Magenta (99%)
- Yellow (55%)
- Black (27%)




- Cyan (27%)
- Magenta (99%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 66.674, 7.041 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, 66.674, 7.041 by changing the saturation by 10% instead.

 40, 66.674, 7.041  40, 66.674, 7.041

 100, 66.674, 7.041  30, 66.674, 7.041

 60, 66.674, 7.041  20, 66.674, 7.041


 70, 66.674, 7.041  10, 66.674, 7.041

 80, 66.674, 7.041  0, 66.674, 7.041

 90, 66.674, 7.041

 40, 66.674, 7.041  40, 66.674, 7.041

 40, 66.882, 7.529  41, 64.742, 2.729

 43, 61.351,
359.197

■ 45, 56.216,
356.410

■ 49, 49.582,
354.195

■ 53, 41.863,
352.402

■ 57, 33.484,
350.915

■ 61, 24.802,
349.651

■ 66, 16.074,
348.549

■ 71, 7.471, 347.557

Harmonies

Complementary

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



40, 66.674, 7.041



67, 65.962, 152.409

Rectangle

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



40, 66.674, 7.041



40, 66.674, 57.041



40, 66.674, 187.041



40, 66.674, 237.041

Sweetspot

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



40, 66.671, 7.043



77, 31.806, 349.840



31, 97.339, 313.143



39, 21.913, 350.364



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



40, 66.671, 7.043



52, 81.253, 8.405



39, 81.493, 40.191



37, 4.798, 347.602



33, 59.061, 6.847



3, 13.546, 354.914

Inverse Universe

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



40, 66.671, 7.043



52, 81.253, 8.405



66, 37.098, 204.612



37, 4.798, 347.602



33, 59.061, 6.847



3, 13.546, 354.914

Previews

White Background



This preview shows how the CIELCh color 40, 66.674, 7.041 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, 66.674, 7.041 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, 66.674, 7.041

Background



This preview shows how black text looks on a background with the CIELCh color 40, 66.674, 7.041.



This preview shows how white text looks on a background with the CIELCh color 40, 66.674, 7.041.

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, 66.674, 7.041

Protanopia

41, 15.870, 284.519

Deuteranopia

41, 13.892, 67.272



Tritanopia
41, 70.444, 34.659

Trichromacy



Original Color
40, 66.674, 7.041

Protanomaly
36, 36.734, 336.666

Deuteranomaly
37, 36.361, 8.616

Tritanomaly
40, 67.818, 24.788

Monochromacy



Original Color
40, 66.674, 7.041

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 33.671, 354.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 66.674, 7.041 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(187, 2, 84)` looks like.

```
.text, #text, p{  
    color:rgb(187, 2, 84)  
}
```

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(187, 2, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 2, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 66.674, 7.041 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(187, 2, 84) }
```

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

```
.border{ border-color:rgb(187, 2, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 2, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 2, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 2, 84);  
box-shadow:4px 4px 4px 4px rgb(187, 2, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 66.674, 7.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 2, 84) }
```

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

```
.background{ background-color: rgb(187, 2,  
84) }
```

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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