

Converting Colors

CIELCh(33, 91.240, 4.049)

Have a look what the booklet for
CIELCh(33, 91.240, 4.049) contains.

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Color

CIELCh(41, 69.218, 14.455)

Conversions

Conversions Part 1

Format	Color
Hex	C10148
RGB	193, 1, 72
RGB Percent	76%, 0%, 28%
CMY	0.2420, 0.9967, 0.7168
CMYK	0.00, 1.00, 0.63, 0.24
HSL	338°, 99%, 38%
HSV	338°, 100%, 76%
XYZ	23.2531, 11.8645, 7.2325
YIQ	66.5020, 91.6410, 62.7850

Conversions

Conversions Part 2

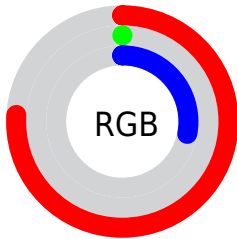
Format	Color
R_{YB}	193, 1, 72
Decimal	12648776
CIE _{Lab}	41.00, 67.03, 17.28
CIE _{LCh}	41, 69.218, 14.455
Yxy	11.8645, 0.5491, 0.2802
Android (android.graphics.Color)	4290838856 (0xFFC10148)
YUV	66.5020, 2.7105, 110.9387
Hunter-Lab	34.4449, 60.2232, 11.6622

Details

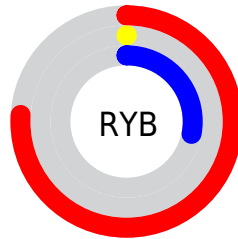
The CIELCh color **41, 69.218, 14.455** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **69, 62.511, 156.687**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 68.972, 14.319**, and **27, 54.920, 25.413** is the 20% darker color. If you saturate the color by 10%, you get **41, 69.340, 14.673**, and if you desaturate by 10%, it is **42, 66.471, 9.519**.

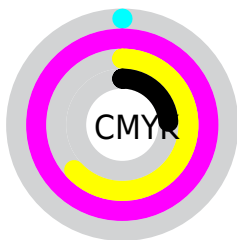
Distribution



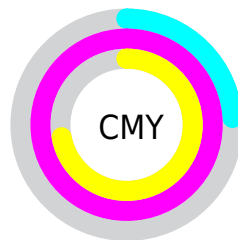
- Red (76%)
- Green (0%)
- Blue (28%)



- Red (76%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 69.218, 14.455 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 41, 69.218, 14.455 by changing the saturation by 10% instead.

41, 69.218, 14.455

41, 69.218, 14.455

100, 69.218,
14.455

31, 69.218, 14.455

61, 69.218, 14.455

21, 69.218, 14.455

71, 69.218, 14.455

11, 69.218, 14.455

81, 69.218, 14.455

1, 69.218, 14.455

91, 69.218, 14.455

0, 69.218, 14.455

41, 69.218, 14.455

41, 69.218, 14.455

41, 69.340, 14.673

42, 66.471, 9.519

44, 62.551, 5.377

■ 46, 57.060, 2.094

■ 50, 50.182,
359.504

■ 54, 42.301,
357.434

■ 58, 33.832,
355.747

■ 63, 25.123,
354.338

■ 68, 16.426,
353.133

■ 73, 7.904, 352.066

Harmonies

Complementary

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



41, 69.218, 14.455



69, 62.511, 156.687

Rectangle

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



41, 69.218, 14.455



41, 69.218, 64.455



41, 69.218, 194.455



41, 69.218, 244.455

Sweetspot

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



41, 69.215, 14.457



80, 31.694, 354.458



34, 98.685, 314.863



40, 21.872, 355.044



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 69.215, 14.457



54, 85.015, 15.645



41, 82.735, 41.324



38, 4.695, 352.046



34, 60.322, 13.851



3, 14.935, 359.774

Inverse Universe

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



41, 69.215, 14.457



54, 85.015, 15.645



64, 35.812, 217.583



38, 4.695, 352.046



34, 60.322, 13.851



3, 14.935, 359.774

Previews

White Background



This preview shows how the CIELCh color 41, 69.218, 14.455 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 41, 69.218, 14.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

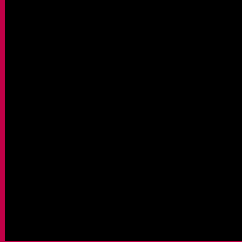
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 69.218, 14.455

Background



This preview shows how black text looks on a background with the CIELCh color 41, 69.218, 14.455.



This preview shows how white text looks on a background with the CIELCh color 41, 69.218, 14.455.

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

41, 69.132, 14.513

Protanopia

42, 4.231, 290.810

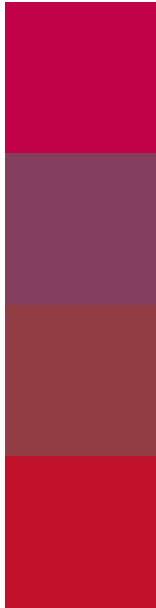
Deuteranopia

42, 22.040, 76.158



Tritanopia
41, 75.544, 36.163

Trichromacy



Original Color
41, 69.132, 14.513

Protanomaly
37, 34.021, 352.795

Deuteranomaly
38, 39.196, 21.599

Tritanomaly
41, 72.488, 29.143

Monochromacy



Original Color
41, 69.132, 14.513

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 33.687, 359.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 69.218, 14.455 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(193, 1, 72)` looks like.

```
.text, #text, p{  
    color:rgb(193, 1, 72)  
}
```

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(193, 1, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 1, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 69.218, 14.455 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(193, 1, 72) }
```

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

```
.border{ border-color:rgb(193, 1, 72) }
```

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

Here you see how a box with a 4 pixel rgb(193, 1, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 1, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 1, 72);  
box-shadow:4px 4px 4px 4px rgb(193, 1, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 69.218, 14.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 1, 72) }
```

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

```
.background{ background-color: rgb(193, 1,  
72) }
```

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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