

Converting Colors

CIELCh(27, 99.016, 0.371)

Have a look what the booklet for
CIELCh(27, 99.016, 0.371) contains.

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Color

CIELCh(38, 65.991, 14.462)

Conversions

Conversions Part 1

Format	Color
Hex	B40042
RGB	180, 0, 66
RGB Percent	71%, 0%, 26%
CMY	0.2932, 1.0000, 0.7395
CMYK	0.00, 1.00, 0.63, 0.29
HSL	338°, 100%, 35%
HSV	338°, 100%, 71%
XYZ	19.8518, 10.0881, 6.1228
YIQ	61.3440, 86.0940, 58.6860

Conversions

Conversions Part 2

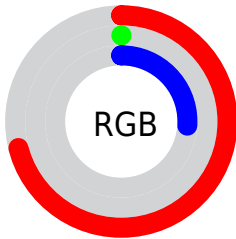
Format	Color
R_{YB}	180, 0, 66
Decimal	11796546
CIE Lab	38.00, 63.90, 16.48
CIE LCh	38, 65.991, 14.462
Yxy	10.0881, 0.5505, 0.2797
Android (android.graphics.Color)	4289986626 (0xFFB40042)
YUV	61.3440, 2.2954, 104.0613
Hunter-Lab	31.7617, 55.9835, 10.8037

Details

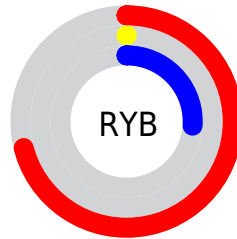
The CIELCh color **38, 65.991, 14.462** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **65, 59.193, 156.867**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 65.769, 15.000**, and **24, 51.846, 26.984** is the 20% darker color. If you saturate the color by 10%, you get **38, 65.807, 14.592**, and if you desaturate by 10%, it is **39, 63.110, 9.719**.

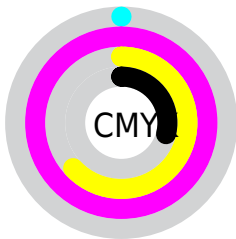
Distribution



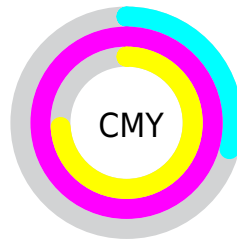
- Red (71%)
- Green (0%)
- Blue (26%)



- Red (71%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 65.991, 14.462 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 38, 65.991, 14.462 by changing the saturation by 10% instead.

 38, 65.991, 14.462

 38, 65.991, 14.462

 100, 65.991,
14.462

 28, 65.991, 14.462

 58, 65.991, 14.462

 18, 65.991, 14.462

 68, 65.991, 14.462

 8, 65.991, 14.462

 78, 65.991, 14.462

 0, 65.991, 14.462

 88, 65.991, 14.462

 98, 65.991, 14.462

 38, 65.991, 14.462

 38, 65.991, 14.462

 38, 65.807, 14.592

 39, 63.110, 9.719

41, 59.391, 5.581

43, 54.201, 2.296

46, 47.710,
359.701

50, 40.276,
357.627

54, 32.285,
355.936

59, 24.065,
354.524

63, 15.853,
353.317

68, 7.804, 352.250

Harmonies

Complementary

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



38, 65.991, 14.462



65, 59.193, 156.867

Rectangle

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



38, 65.991, 14.462



38, 65.991, 64.462



38, 65.991, 194.462



38, 65.991, 244.462

Sweetspot

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



38, 65.807, 14.592



75, 29.830, 354.591



31, 93.796, 314.891



37, 20.401, 355.152



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



38, 65.807, 14.592



50, 80.421, 15.618



38, 78.714, 41.495



35, 4.380, 352.179



32, 58.195, 13.823



2, 9.957, 357.028

Inverse Universe

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



38, 65.807, 14.592



50, 80.421, 15.618



60, 34.021, 217.553



35, 4.380, 352.179



32, 58.195, 13.823



2, 9.957, 357.028

Previews

White Background



This preview shows how the CIELCh color 38, 65.991, 14.462 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 38, 65.991, 14.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

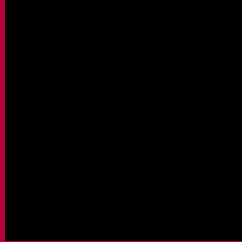
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 65.991, 14.462

Background



This preview shows how black text looks on a background with the CIELCh color 38, 65.991, 14.462.



This preview shows how white text looks on a background with the CIELCh color 38, 65.991, 14.462.

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

38, 65.779, 14.773

Protanopia

39, 3.095, 298.322

Deuteranopia

39, 21.043, 75.554



Tritanopia
39, 71.717, 36.405

Trichromacy



Original Color
38, 65.779, 14.773

Protanomaly
34, 31.984, 355.036

Deuteranomaly
35, 37.333, 21.333

Tritanomaly
38, 68.899, 29.328

Monochromacy



Original Color
38, 65.779, 14.773

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 31.727, 359.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 65.991, 14.462 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(180, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(180, 0, 66)  
}
```

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(180, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 65.991, 14.462 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(180, 0, 66) }
```

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

```
.border{ border-color:rgb(180, 0, 66) }
```

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

Here you see how a box with a 4 pixel rgb(180, 0, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(180, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 65.991, 14.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 66) }
```

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

```
.background{ background-color: rgb(180, 0,  
66) }
```

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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