

Converting Colors

CIELCh(38, 65.017, 0.456)

Have a look what the booklet for
CIELCh(38, 65.017, 0.456) contains.

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Color

CIELCh(38, 64.627, 0.523)

Conversions

Conversions Part 1

Format	Color
Hex	B1005B
RGB	177, 0, 91
RGB Percent	69%, 0%, 36%
CMY	0.3062, 1.0000, 0.6434
CMYK	0.00, 1.00, 0.49, 0.31
HSL	329°, 100%, 35%
HSV	329°, 100%, 69%
XYZ	19.9975, 10.0881, 10.7767
YIQ	63.2970, 76.2810, 65.8250

Conversions

Conversions Part 2

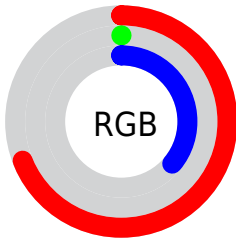
Format	Color
R_{YB}	177, 0, 91
Decimal	11599963
CIE _{Lab}	38.00, 64.62, 0.59
CIE _{LCh}	38, 64.627, 0.523
Yxy	10.0881, 0.4894, 0.2469
Android (android.graphics.Color)	4289790043 (0xFFB1005B)
YUV	63.2970, 13.6576, 99.7175
Hunter-Lab	31.7617, 56.8027, 2.1162

Details

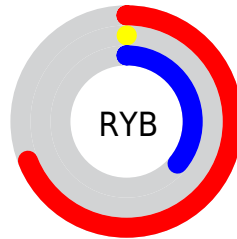
The CIELCh color **38, 64.627, 0.523** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **63, 68.553, 148.530**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 64.805, 0.461**, and **24, 47.891, 10.383** is the 20% darker color. If you saturate the color by 10%, you get **38, 64.604, 0.533**, and if you desaturate by 10%, it is **39, 63.281, 356.923**.

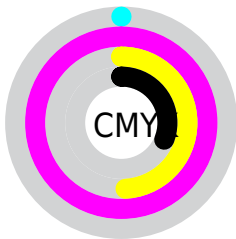
Distribution



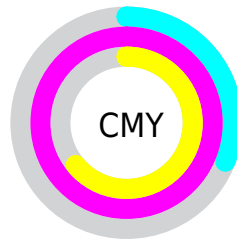
- Red (69%)
- Green (0%)
- Blue (36%)



- Red (69%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.627, 0.523 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, 64.627, 0.523 by changing the saturation by 10% instead.

 38, 64.627, 0.523  38, 64.627, 0.523

 100, 64.627, 0.523  28, 64.627, 0.523


 58, 64.627, 0.523  18, 64.627, 0.523



 68, 64.627, 0.523  8, 64.627, 0.523

 78, 64.627, 0.523  0, 64.627, 0.523

 88, 64.627, 0.523

 98, 64.627, 0.523

 38, 64.627, 0.523  38, 64.627, 0.523

 38, 64.604, 0.533  39, 63.281,
356.923

■ 41, 60.520,
353.929

■ 43, 55.917,
351.554

■ 46, 49.720,
349.645

■ 50, 42.339,
348.077

■ 54, 34.201,
346.754

■ 58, 25.669,
345.610

■ 63, 17.016,
344.599

■ 67, 8.423, 343.678

Harmonies

Complementary

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



38, 64.627, 0.523



63, 68.553, 148.530

Rectangle

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



38, 64.627, 0.523



38, 64.627, 50.523



38, 64.627, 180.523



38, 64.627, 230.523

Sweetspot

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



38, 64.604, 0.533



74, 31.721, 345.665



27, 95.162, 311.560



37, 21.629, 346.120



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 64.604, 0.533



50, 78.354, 1.315



37, 78.710, 39.278



35, 4.801, 343.617



33, 58.113, 0.017



2, 10.691, 349.081

Inverse Universe

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



38, 64.604, 0.533



50, 78.354, 1.315



65, 38.573, 193.868



35, 4.801, 343.617



33, 58.113, 0.017



2, 10.691, 349.081

Previews

White Background



This preview shows how the CIELCh color 38, 64.627, 0.523 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 CIE LCh color 38, 64.627, 0.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

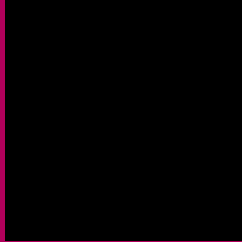
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 64.627, 0.523

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.627, 0.523.



This preview shows how white text looks on a background with the CIELCh color 38, 64.627, 0.523.

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, 64.627, 0.523

Protanopia

39, 24.602, 285.157

Deuteranopia

39, 7.318, 44.665



Tritanopia
39, 64.905, 33.333

Trichromacy



Original Color
38, 64.627, 0.523



Protanomaly
34, 40.989, 326.415



Deuteranomaly
35, 35.330, 356.005



Tritanomaly
38, 62.896, 21.225

Monochromacy



Original Color
38, 64.627, 0.523



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 33.165, 349.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.627, 0.523 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(177, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(177, 0, 91)  
}
```

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(177, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 0, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.627, 0.523 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(177, 0, 91) }
```

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

```
.border{ border-color:rgb(177, 0, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 0, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(177, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.627, 0.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 0, 91) }
```

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

```
.background{ background-color: rgb(177, 0,  
91) }
```

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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