

Converting Colors

CIELCh(38, 63.960, 20.674)

Have a look what the booklet for
CIELCh(38, 63.960, 20.674) contains.

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Color

CIELCh(38, 64.027, 20.516)

Conversions

Conversions Part 1

Format	Color
Hex	B11339
RGB	177, 19, 57
RGB Percent	69%, 7%, 22%
CMY	0.3063, 0.9262, 0.7768
CMYK	0.00, 0.89, 0.68, 0.31
HSL	346°, 81%, 38%
HSV	346°, 89%, 69%
XYZ	19.0724, 10.0881, 4.8025
YIQ	70.5740, 81.9700, 45.3140

Conversions

Conversions Part 2

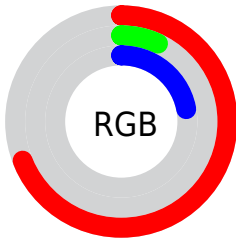
Format	Color
R_{YB}	177, 19, 57
Decimal	11604793
CIE _{Lab}	38.00, 59.97, 22.44
CIE _{LCh}	38, 64.027, 20.516
Yxy	10.0881, 0.5616, 0.2970
Android (android.graphics.Color)	4289794873 (0xFFB11339)
YUV	70.5740, -6.6920, 93.3356
Hunter-Lab	31.7617, 51.6037, 13.2684

Details

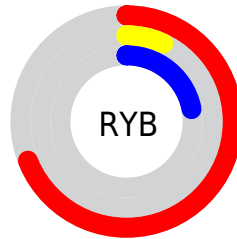
The CIELCh color **38, 64.027, 20.516** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **64, 47.373, 169.000**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 63.940, 20.380**, and **23, 52.847, 31.349** is the 20% darker color. If you saturate the color by 10%, you get **37, 68.431, 25.707**, and if you desaturate by 10%, it is **40, 58.895, 15.909**.

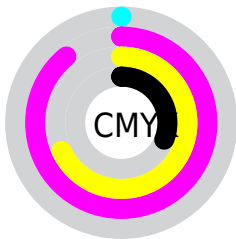
Distribution



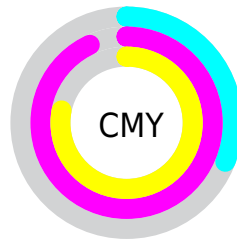
- Red (69%)
- Green (7%)
- Blue (22%)



- Red (69%)
- Yellow (7%)
- Blue (22%)



- Cyan (0%)
- Magenta (89%)
- Yellow (68%)
- Black (31%)



- Cyan (31%)
- Magenta (93%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.027, 20.516 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, 64.027, 20.516 by changing the saturation by 10% instead.

 38, 64.027, 20.516

 38, 64.027, 20.516

 100, 64.027,
20.516

 28, 64.027, 20.516

 58, 64.027, 20.516

 18, 64.027, 20.516

 68, 64.027, 20.516

 8, 64.027, 20.516

 78, 64.027, 20.516

 0, 64.027, 20.516

 88, 64.027, 20.516

 98, 64.027, 20.516

 38, 64.027, 20.516

 38, 64.027, 20.516

 37, 68.431, 25.707

 40, 58.895, 15.909

37, 68.728, 26.024

42, 52.729, 12.162

45, 45.662, 9.187

49, 37.989, 6.829

53, 30.033, 4.939

58, 22.060, 3.395

63, 14.257, 2.106

67, 6.736, 0.989

72, 0.449, 181.136

Harmonies

Complementary

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



38, 64.027, 20.516



64, 47.373, 169.000

Rectangle

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



38, 64.027, 20.516



38, 64.027, 70.516



38, 64.027, 200.516



38, 64.027, 250.516

Sweetspot

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



38, 64.024, 20.518



75, 24.987, 3.134



36, 86.818, 319.516



37, 16.921, 3.597



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, 64.024, 20.518



48, 84.166, 27.083



42, 66.403, 45.484



35, 4.108, 0.986



32, 61.444, 25.309



2, 9.517, 4.313

Inverse Universe

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



38, 64.024, 20.518



48, 84.166, 27.083



53, 33.271, 241.505



35, 4.108, 0.986



32, 61.444, 25.309



2, 9.517, 4.313

Previews

White Background



This preview shows how the CIELCh color 38, 64.027, 20.516 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, 64.027, 20.516 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, 64.027, 20.516

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.027, 20.516.



This preview shows how white text looks on a background with the CIELCh color 38, 64.027, 20.516.

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, 64.027, 20.516

Protanopia

39, 5.180, 89.638

Deuteranopia

39, 26.365, 78.507



Tritanopia
38, 69.864, 35.781

Trichromacy



Original Color
38, 64.027, 20.516

Protanomaly
35, 27.625, 13.159

Deuteranomaly
36, 37.374, 34.572

Tritanomaly
38, 67.264, 30.961

Monochromacy



Original Color
38, 64.027, 20.516

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 27.573, 7.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.027, 20.516 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, 19, 57)` looks like.

```
.text, #text, p{  
    color:rgb(177, 19, 57)  
}
```

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, 19, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 19, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.027, 20.516 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, 19, 57) }
```

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

```
.border{ border-color:rgb(177, 19, 57) }
```

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

Here you see how a box with a 4 pixel rgb(177, 19, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 19, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 19, 57);  
box-shadow:4px 4px 4px 4px rgb(177, 19,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.027, 20.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 19, 57) }
```

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

```
.background{ background-color: rgb(177, 19,  
57) }
```

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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