

Converting Colors

CIELCh(32, 63.797, 28.636)

Have a look what the booklet for
CIELCh(32, 63.797, 28.636) contains.

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Color

CIELCh(32, 63.632, 28.639)

Conversions

Conversions Part 1

Format	Color
Hex	9B001F
RGB	155, 0, 31
RGB Percent	61%, 0%, 12%
CMY	0.3917, 0.9990, 0.8781
CMYK	0.00, 1.00, 0.80, 0.39
HSL	348°, 100%, 30%
HSV	348°, 100%, 61%
XYZ	13.7919, 7.0852, 1.9426
YIQ	49.8790, 82.4290, 42.5010

Conversions

Conversions Part 2

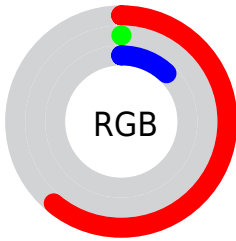
Format	Color
R_{YB}	155, 0, 31
Decimal	10158111
CIE Lab	32.00, 55.85, 30.50
CIE LCh	32, 63.632, 28.639
Yxy	7.0852, 0.6044, 0.3105
Android (android.graphics.Color)	4288348191 (0xFF9B001F)
YUV	49.8790, -9.3073, 92.1911
Hunter-Lab	26.6180, 45.9072, 14.3055

Details

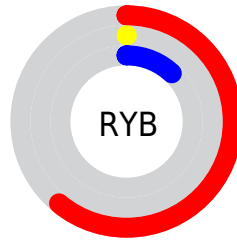
The CIELCh color **32, 63.632, 28.639** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **57, 42.663, 171.242**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 63.732, 28.750**, and **18, 47.465, 34.974** is the 20% darker color. If you saturate the color by 10%, you get **32, 63.711, 28.717**, and if you desaturate by 10%, it is **33, 59.032, 23.729**.

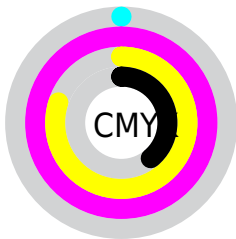
Distribution



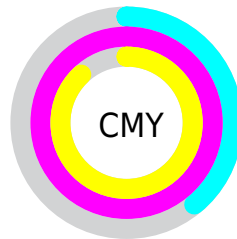
- Red (61%)
- Green (0%)
- Blue (12%)



- Red (61%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 63.632, 28.639 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 32, 63.632, 28.639 by changing the saturation by 10% instead.

 32, 63.632, 28.639

 32, 63.632, 28.639

 100, 63.632,
28.639

 22, 63.632, 28.639

 52, 63.632, 28.639

 12, 63.632, 28.639

 62, 63.632, 28.639

 2, 63.632, 28.639

 72, 63.632, 28.639

 0, 63.632, 28.639

 82, 63.632, 28.639

 92, 63.632, 28.639

 32, 63.632, 28.639

 32, 63.632, 28.639

 32, 63.711, 28.717

 33, 59.032, 23.729

■ 35, 53.926, 19.162

■ 37, 48.004, 15.398

■ 40, 41.393, 12.389

■ 43, 34.341, 10.003

■ 47, 27.116, 8.095

■ 51, 19.937, 6.547

■ 55, 12.957, 5.263

■ 60, 6.264, 4.159

Harmonies

Complementary

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



32, 63.632, 28.639



57, 42.663, 171.242

Rectangle

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



32, 63.632, 28.639



32, 63.632, 78.639



32, 63.632, 208.639



32, 63.632, 258.639

Sweetspot

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



32, 63.629, 28.641



65, 24.846, 6.653



31, 81.167, 320.804



32, 17.218, 7.233



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



32, 63.629, 28.641



42, 78.103, 29.877



36, 64.785, 47.875



30, 3.555, 4.094



29, 58.928, 28.183



1, 3.751, 3.577

Inverse Universe

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



32, 63.629, 28.641



42, 78.103, 29.877



43, 33.539, 255.293



30, 3.555, 4.094



29, 58.928, 28.183



1, 3.751, 3.577

Previews

White Background



This preview shows how the CIE LCh color 32, 63.632, 28.639 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 32, 63.632, 28.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

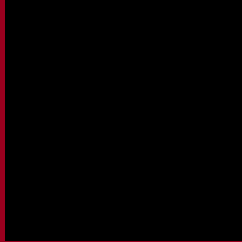
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 63.632, 28.639

Background



This preview shows how black text looks on a background with the CIELCh color 32, 63.632, 28.639.



This preview shows how white text looks on a background with the CIELCh color 32, 63.632, 28.639.

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

32, 63.632, 28.639

Protanopia

34, 19.479, 96.621

Deuteranopia

33, 35.041, 83.234



Tritanopia
32, 70.416, 40.936

Trichromacy



Original Color
32, 63.632, 28.639

Protanomaly
29, 31.817, 34.231

Deuteranomaly
30, 42.141, 45.371

Tritanomaly
32, 68.197, 37.493

Monochromacy



Original Color
32, 63.632, 28.639

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 27.638, 12.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 63.632, 28.639 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(155, 0, 31)` looks like.

```
.text, #text, p{  
    color:rgb(155, 0, 31)  
}
```

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(155, 0, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 0, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 63.632, 28.639 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(155, 0, 31) }
```

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

```
.border{ border-color:rgb(155, 0, 31) }
```

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

Here you see how a box with a 4 pixel rgb(155, 0, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(155, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 63.632, 28.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 0, 31) }
```

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

```
.background{ background-color: rgb(155, 0,  
31) }
```

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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