

Converting Colors

CIELCh(31, 56.691, 0.001)

Have a look what the booklet for
CIELCh(31, 56.691, 0.001) contains.

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Color

CIELCh(31, 56.410, 0.213)

Conversions

Conversions Part 1

Format	Color
Hex	93004B
RGB	147, 0, 75
RGB Percent	58%, 0%, 29%
CMY	0.4251, 1.0000, 0.7072
CMYK	0.00, 1.00, 0.49, 0.43
HSL	329°, 100%, 29%
HSV	329°, 100%, 57%
XYZ	13.2101, 6.6515, 7.1863
YIQ	52.5030, 63.5370, 54.4890

Conversions

Conversions Part 2

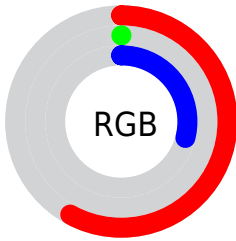
Format	Color
RYB	147, 0, 75
Decimal	9633867
CIELab	31.00, 56.41, 0.21
CIElCh	31, 56.410, 0.213
Yxy	6.6515, 0.4884, 0.2459
Android (android.graphics.Color)	4287823947 (0xFF93004B)
YUV	52.5030, 11.0910, 82.8739
Hunter-Lab	25.7905, 46.2959, 1.5328

Details

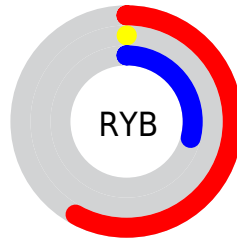
The CIELCh color **31, 56.410, 0.213** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **53, 58.956, 149.133**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 56.344, 0.073**, and **17, 39.656, 11.658** is the 20% darker color. If you saturate the color by 10%, you get **31, 56.289, 0.275**, and if you desaturate by 10%, it is **32, 54.795, 356.857**.

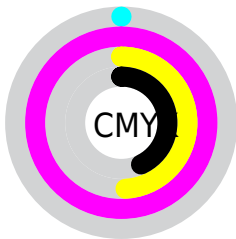
Distribution



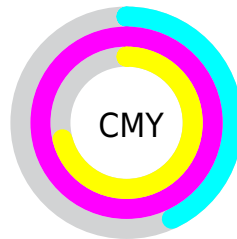
- Red (58%)
- Green (0%)
- Blue (29%)



- Red (58%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 56.410, 0.213 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 31, 56.410, 0.213 by changing the saturation by 10% instead.

 31, 56.410, 0.213

 31, 56.410, 0.213

 100, 56.410, 0.213

 21, 56.410, 0.213

 51, 56.410, 0.213

 11, 56.410, 0.213

 61, 56.410, 0.213

 1, 56.410, 0.213

 71, 56.410, 0.213

 0, 56.410, 0.213


 81, 56.410, 0.213

 91, 56.410, 0.213

 31, 56.410, 0.213

 31, 56.410, 0.213

 31, 56.289, 0.275

 32, 54.795,
356.857

■ 34, 52.209,
353.957

■ 36, 48.088,
351.648

■ 38, 42.658,
349.785

■ 41, 36.266,
348.248

■ 45, 29.266,
346.947

■ 49, 21.953,
345.820

■ 53, 14.548,
344.821

■ 57, 7.201, 343.910

Harmonies

Complementary

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



31, 56.410, 0.213



53, 58.956, 149.133

Rectangle

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



31, 56.410, 0.213



31, 56.410, 50.213



31, 56.410, 180.213



31, 56.410, 230.213

Sweetspot

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



31, 56.289, 0.275



62, 27.274, 345.886



22, 82.728, 311.731



31, 18.767, 346.304



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



31, 56.289, 0.275



41, 68.356, 1.219



30, 67.943, 38.649



29, 4.094, 343.840



29, 53.813, 0.022



1, 3.542, 343.144

Inverse Universe

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



31, 56.289, 0.275



41, 68.356, 1.219



55, 33.581, 193.905



29, 4.094, 343.840



29, 53.813, 0.022



1, 3.542, 343.144

Previews

White Background



This preview shows how the CIE LCh color 31, 56.410, 0.213 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 CIE LCh color 31, 56.410, 0.213 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 31, 56.410, 0.213

Background



This preview shows how black text looks on a background with the CIELCh color 31, 56.410, 0.213.



This preview shows how white text looks on a background with the CIELCh color 31, 56.410, 0.213.

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

31, 56.410, 0.213

Protanopia

32, 20.984, 285.079

Deuteranopia

33, 6.754, 47.780



Tritanopia
32, 55.511, 32.854

Trichromacy



Original Color
31, 56.410, 0.213

Protanomaly
28, 35.119, 326.262

Deuteranomaly
29, 30.422, 357.155

Tritanomaly
31, 54.259, 20.844

Monochromacy



Original Color
31, 56.410, 0.213

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 28.398, 349.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 56.410, 0.213 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(147, 0, 75)` looks like.

```
.text, #text, p{  
  color:rgb(147, 0, 75)  
}
```

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(147, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 0, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 56.410, 0.213 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(147, 0, 75) }
```

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

```
.border{ border-color:rgb(147, 0, 75) }
```

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

Here you see how a box with a 4 pixel rgb(147, 0, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(147, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 56.410, 0.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 0, 75) }
```

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

```
.background{ background-color: rgb(147, 0,  
75) }
```

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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