

Converting Colors

CIELCh(31, 29.217, 359.282)

Have a look what the booklet for
CIELCh(31, 29.217, 359.282)
contains.

CIELCh(31, 29.376, 359.621)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 29.376, 359.621)

Conversions

Conversions Part 1

Format	Color
Hex	72354A
RGB	114, 53, 74
RGB Percent	45%, 21%, 29%
CMY	0.5521, 0.7914, 0.7091
CMYK	0.00, 0.53, 0.35, 0.55
HSL	339°, 36%, 33%
HSV	339°, 53%, 45%
XYZ	9.4902, 6.6515, 7.2946
YIQ	73.6330, 29.6150, 19.4630

Conversions

Conversions Part 2

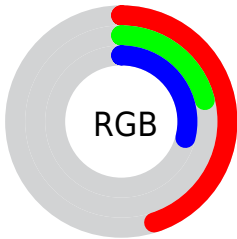
Format	Color
RYB	114, 53, 74
Decimal	7484746
CIELab	31.00, 29.38, -0.19
CIElCh	31, 29.376, 359.621
Yxy	6.6515, 0.4049, 0.2838
Android (android.graphics.Color)	4285674826 (0xFF72354A)
YUV	73.6330, 0.1809, 35.4019
Hunter-Lab	25.7905, 20.5499, 1.2838

Details

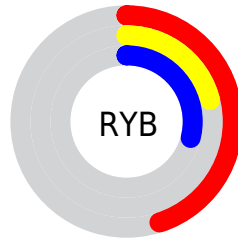
The CIELCh color **31, 29.376, 359.621** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **44, 25.911, 167.414**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 29.365, 359.294**, and **11, 29.553, 0.062** is the 20% darker color. If you saturate the color by 10%, you get **28, 34.464, 1.736**, and if you desaturate by 10%, it is **34, 23.915, 357.897**.

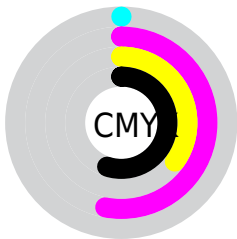
Distribution



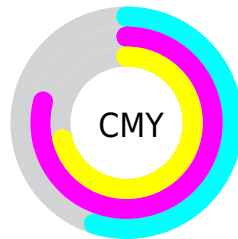
- Red (45%)
- Green (21%)
- Blue (29%)



- Red (45%)
- Yellow (21%)
- Blue (29%)



- Cyan (0%)
- Magenta (53%)
- Yellow (35%)
- Black (55%)





- Cyan (55%)
- Magenta (79%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 29.376, 359.621 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, 29.376, 359.621 by changing the saturation by 10% instead.


 31, 29.376,
359.621


 31, 29.376,
359.621

 100, 29.376,
359.621


 21, 29.376,
359.621

 51, 29.376,
359.621


 11, 29.376,
359.621


 61, 29.376,
359.621

 1, 29.376, 359.621

 71, 29.376,
359.621

 0, 29.376, 359.621

 81, 29.376,
359.621

 91, 29.376,
359.621

■ 31, 29.376,
359.621

■ 31, 29.376,
359.621

■ 28, 34.464, 1.736

■ 34, 23.915,
357.897

■ 26, 38.943, 4.366

■ 37, 18.295,
356.458

■ 25, 42.598, 7.665

■ 23, 45.364, 11.739

■ 40, 12.673,
355.232

■ 23, 47.181, 14.428

■ 43, 7.152, 354.159

■ 47, 1.795, 353.105

■ 50, 3.367, 172.543

■ 54, 8.321, 171.748

■ 57, 13.069,
171.063

■ 61, 17.619,

Harmonies

Complementary

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



31, 29.376, 359.621



44, 25.911, 167.414

Rectangle

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



31, 29.376, 359.621



31, 29.376, 49.621



31, 29.376, 179.621



31, 29.376, 229.621

Sweetspot

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



31, 29.374, 359.623



54, 10.586, 354.467



30, 40.953, 316.283



27, 7.118, 354.627



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



31, 29.374, 359.623



37, 42.802, 2.267



33, 26.583, 35.753



22, 2.930, 353.712



24, 48.879, 14.740



52, 84.496, 18.157

Inverse Universe

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



31, 29.374, 359.623



37, 42.802, 2.267



41, 17.925, 215.737



22, 2.930, 353.712



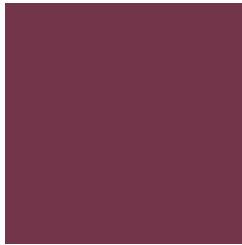
24, 48.879, 14.740



52, 84.496, 18.157

Previews

White Background



This preview shows how the CIE LCh color 31, 29.376, 359.621 looks on a white background.

Color Contrast Check

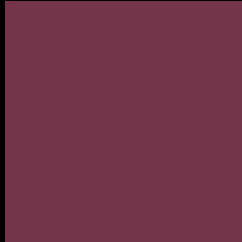
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.376, 359.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

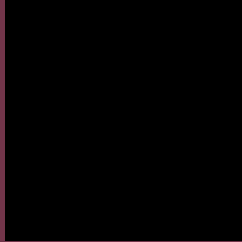
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 29.376, 359.621

Background



This preview shows how black text looks on a background with the CIELCh color 31, 29.376, 359.621.



This preview shows how white text looks on a background with the CIELCh color 31, 29.376, 359.621.

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, 29.376, 359.621

Protanopia

31, 8.295, 286.052

Deuteranopia

31, 4.949, 20.152



Tritanopia
31, 27.070, 19.569

Trichromacy



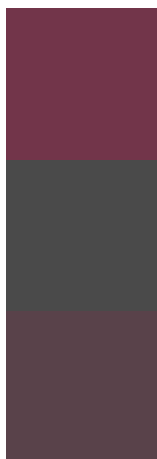
Original Color
31, 29.376, 359.621

Protanomaly
31, 13.598, 333.349

Deuteranomaly
31, 13.799, 3.314

Tritanomaly
31, 27.276, 12.019

Monochromacy



Original Color
31, 29.376, 359.621

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 11.428, 355.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 29.376, 359.621 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(114, 53, 74)` looks like.

```
.text, #text, p{  
    color:rgb(114, 53, 74)  
}
```

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(114, 53, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 53, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 29.376, 359.621 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(114, 53, 74) }
```

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

```
.border{ border-color:rgb(114, 53, 74) }
```

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

Here you see how a box with a 4 pixel rgb(114, 53, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 53, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 53, 74);  
box-shadow:4px 4px 4px 4px rgb(114, 53,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 29.376, 359.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 53, 74) }
```

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

```
.background{ background-color: rgb(114, 53,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor