

Converting Colors

CIELCh(31, 20.700, 358.714)

Have a look what the booklet for
CIELCh(31, 20.700, 358.714)
contains.

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Color

CIELCh(31, 20.959, 358.855)

Conversions

Conversions Part 1

Format	Color
Hex	673C4A
RGB	103, 60, 74
RGB Percent	40%, 24%, 29%
CMY	0.5951, 0.7638, 0.7089
CMYK	0.00, 0.42, 0.28, 0.60
HSL	340°, 26%, 32%
HSV	340°, 42%, 40%
XYZ	8.4938, 6.6515, 7.3552
YIQ	74.4530, 21.1340, 13.4700

Conversions

Conversions Part 2

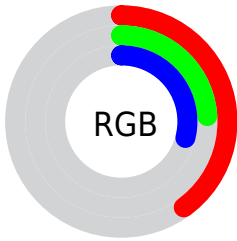
Format	Color
RYB	103, 60, 74
Decimal	6765642
CIELab	31.00, 20.95, -0.42
CIELCh	31, 20.959, 358.855
Yxy	6.6515, 0.3775, 0.2956
Android (android.graphics.Color)	4284955722 (0xFF673C4A)
YUV	74.4530, -0.2233, 25.0357
Hunter-Lab	25.7905, 13.6532, 1.1444

Details

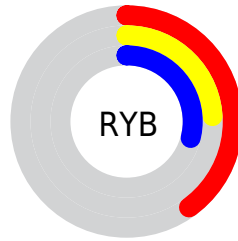
The CIELCh color $31, 20.959, 358.855$ is a dark color, and the websafe version is hex 663333 . A complement of this color would be $40, 18.849, 170.188$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $51, 21.045, 357.884$, and $11, 20.671, 359.764$ is the 20% darker color. If you saturate the color by 10%, you get $28, 26.030, 0.526$, and if you desaturate by 10%, it is $34, 15.791, 357.461$.

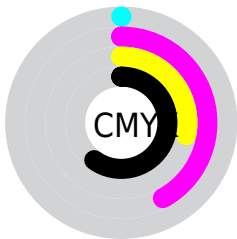
Distribution



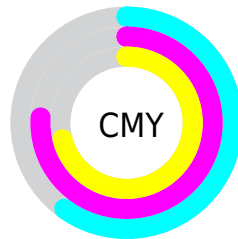
- Red (40%)
- Green (24%)
- Blue (29%)



- Red (40%)
- Yellow (24%)
- Blue (29%)



- Cyan (0%)
- Magenta (42%)
- Yellow (28%)
- Black (60%)





- Cyan (60%)
- Magenta (76%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 20.959, 358.855 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, 20.959, 358.855 by changing the saturation by 10% instead.


 31, 20.959,
358.855


 31, 20.959,
358.855

 100, 20.959,
358.855


 21, 20.959,
358.855

 51, 20.959,
358.855


 11, 20.959,
358.855


 61, 20.959,
358.855

 1, 20.959, 358.855

 71, 20.959,
358.855

 0, 20.959, 358.855

 81, 20.959,
358.855

 91, 20.959,
358.855

31, 20.959,
358.855

31, 20.959,
358.855

28, 26.030, 0.526

34, 15.791,
357.461

26, 30.836, 2.561

37, 10.660,
356.268

24, 35.166, 5.084

22, 38.819, 8.239

40, 5.644, 355.217

21, 41.688, 12.150

43, 0.793, 354.001

20, 44.059, 15.429

46, 3.871, 173.638

50, 8.343, 172.876

53, 12.624,
172.209

56, 16.726,
171.605

59, 20.660,

Harmonies

Complementary

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



31, 20.959, 358.855



40, 18.849, 170.188

Rectangle

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



31, 20.959, 358.855



31, 20.959, 48.855



31, 20.959, 178.855



31, 20.959, 228.855

Sweetspot

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



31, 20.957, 358.857



52, 7.252, 355.286



30, 29.512, 316.350



26, 4.855, 355.373



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



31, 20.957, 358.857



38, 31.427, 0.487



32, 18.014, 36.327



19, 2.676, 354.941



23, 47.599, 16.167



51, 83.808, 19.844

Inverse Universe

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



31, 20.957, 358.857



38, 31.427, 0.487



38, 13.513, 217.087



19, 2.676, 354.941



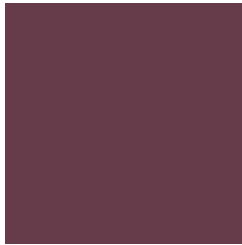
23, 47.599, 16.167



51, 83.808, 19.844

Previews

White Background



This preview shows how the CIE LCh color 31, 20.959, 358.855 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 31, 20.959, 358.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

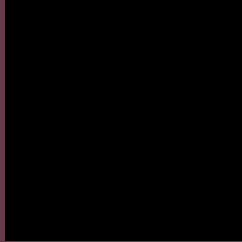
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 20.959, 358.855

Background



This preview shows how black text looks on a background with the CIELCh color 31, 20.959, 358.855.



This preview shows how white text looks on a background with the CIELCh color 31, 20.959, 358.855.

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, 20.959, 358.855

Protanopia

31, 5.736, 287.059

Deuteranopia

31, 4.516, 12.042



Tritanopia
31, 18.758, 15.261

Trichromacy



Original Color
31, 20.959, 358.855

Protanomaly
31, 9.578, 334.062

Deuteranomaly
31, 10.565, 0.254

Tritanomaly
31, 19.351, 8.170

Monochromacy



Original Color
31, 20.959, 358.855

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 7.370, 355.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 20.959, 358.855 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(103, 60, 74)` looks like.

```
.text, #text, p{  
    color:rgb(103, 60, 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(103, 60, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 60, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 20.959, 358.855 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(103, 60, 74) }
```

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

```
.border{ border-color:rgb(103, 60, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 60, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 60, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 60, 74);  
box-shadow:4px 4px 4px 4px rgb(103, 60,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 20.959, 358.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 60, 74) }
```

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

```
.background{ background-color: rgb(103, 60,  
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](#).

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