

Converting Colors

CIELCh(31, 18.441, 328.826)

Have a look what the booklet for
CIELCh(31, 18.441, 328.826)
contains.

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Color

CIELCh(31, 18.192, 329.294)

Conversions

Conversions Part 1

Format	Color
Hex	5B4158
RGB	91, 65, 88
RGB Percent	36%, 25%, 35%
CMY	0.6444, 0.7463, 0.6562
CMYK	0.00, 0.29, 0.03, 0.64
HSL	307°, 17%, 30%
HSV	307°, 29%, 36%
XYZ	7.9024, 6.6515, 10.0295
YIQ	75.3960, 8.1130, 12.6650

Conversions

Conversions Part 2

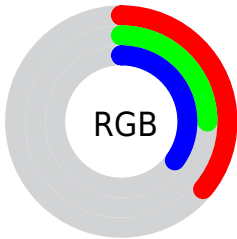
Format	Color
R_{YB}	91, 65, 88
Decimal	5980504
CIE Lab	31.00, 15.64, -9.29
CIE LCh	31, 18.192, 329.294
Yxy	6.6515, 0.3215, 0.2706
Android (android.graphics.Color)	4284170584 (0xFF5B4158)
YUV	75.3960, 6.2138, 13.6847
Hunter-Lab	25.7905, 9.5602, -5.0035

Details

The CIELCh color $[31, 18.192, 329.294]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[36, 18.161, 145.874]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 18.453, 329.627]$, and $[11, 18.208, 329.267]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 24.428, 329.851]$, and if you desaturate by 10%, it is $[34, 11.832, 328.737]$.

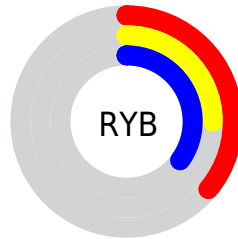
Distribution



 Red (36%)

 Green (25%)

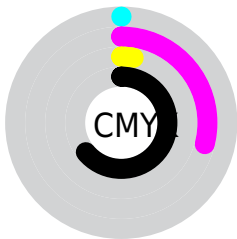
 Blue (35%)



 Red (36%)

 Yellow (25%)

 Blue (35%)

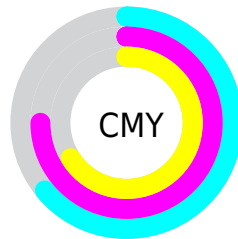


 Cyan (0%)

 Magenta (29%)

 Yellow (3%)

 Black (64%)



 Cyan (64%)


 Magenta (75%)


 Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 18.192, 329.294 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, 18.192, 329.294 by changing the saturation by 10% instead.


 31, 18.192,
329.294


 31, 18.192,
329.294

 100, 18.192,
329.294


 21, 18.192,
329.294

 51, 18.192,
329.294


 11, 18.192,
329.294


 61, 18.192,
329.294

 1, 18.192, 329.294

 71, 18.192,
329.294

 0, 18.192, 329.294

 81, 18.192,
329.294

 91, 18.192,
329.294

■ 31, 18.192,
329.294

■ 31, 18.192,
329.294

■ 29, 24.428,
329.851

■ 34, 11.832,
328.737

■ 26, 30.392,
330.401

■ 36, 5.464, 328.175

■ 24, 35.890,
330.941

■ 39, 0.838, 147.864

■ 23, 40.698,
331.466

■ 42, 7.023, 147.176

■ 21, 44.588,
331.977

■ 44, 13.061,
146.667

■ 20, 47.374,
332.479

■ 47, 18.936,
146.186

■ 19, 49.614,
332.966

■ 50, 24.644,
145.728

■ 19, 49.930,

■ 53, 30.184,
145.294

333.030

■ 56, 35.561,
144.884

Harmonies

Complementary

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



31, 18.192, 329.294



36, 18.161, 145.874

Rectangle

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



31, 18.192, 329.294



31, 18.192, 19.294



31, 18.192, 149.294



31, 18.192, 199.294

Sweetspot

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



31, 18.191, 329.294



46, 7.028, 328.211



29, 16.849, 296.717



23, 4.837, 328.266



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 18.191, 329.294



38, 26.628, 329.651



31, 13.250, 352.075



17, 3.574, 328.186



24, 56.935, 333.158



55, 99.796, 333.520

Inverse Universe

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



31, 18.191, 329.294



38, 26.628, 329.651



36, 12.577, 166.884



17, 3.574, 328.186



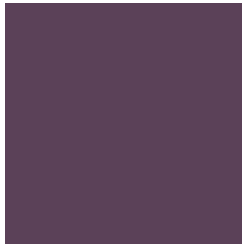
24, 56.935, 333.158



55, 99.796, 333.520

Previews

White Background



This preview shows how the CIELCh color 31, 18.192, 329.294 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, 18.192, 329.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

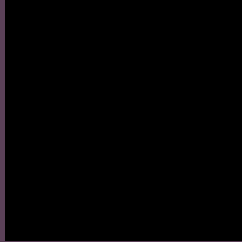
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 18.192, 329.294

Background



This preview shows how black text looks on a background with the CIELCh color 31, 18.192, 329.294.

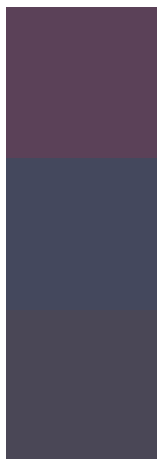


This preview shows how white text looks on a background with the CIELCh color 31, 18.192, 329.294.

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, 18.192, 329.294

Protanopia

31, 13.430, 285.983

Deuteranopia

31, 9.676, 299.190



Tritanopia
31, 10.565, 0.254

Trichromacy



Original Color
31, 18.192, 329.294

Protanomaly
31, 14.390, 303.880

Deuteranomaly
31, 12.408, 313.662

Tritanomaly
31, 12.963, 345.861

Monochromacy



Original Color
31, 18.192, 329.294

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 7.190, 327.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 18.192, 329.294 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(91, 65, 88)` looks like.

```
.text, #text, p{  
    color:rgb(91, 65, 88)  
}
```

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(91, 65, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 65, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 18.192, 329.294 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(91, 65, 88) }
```

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

```
.border{ border-color:rgb(91, 65, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 65, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 65, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 65, 88);  
box-shadow:4px 4px 4px 4px rgb(91, 65, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 18.192, 329.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 65, 88) }
```

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

```
.background{ background-color: rgb(91, 65,  
88) }
```

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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