

Converting Colors

CIELCh(31, 9.948, 277.842)

Have a look what the booklet for
CIELCh(31, 9.948, 277.842) contains.

CIELCh(31, 9.778, 277.837)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 9.778, 277.837)

Conversions

Conversions Part 1	
Format	Color
Hex	434958
RGB	67, 73, 88
RGB Percent	26%, 29%, 35%
CMY	0.7375, 0.7140, 0.6552
CMYK	0.24, 0.17, 0.00, 0.66
HSL	223°, 14%, 30%
HSV	223°, 24%, 34%
XYZ	6.4477, 6.6515, 10.1624
YIQ	72.9160, -8.3910, 3.3930

Conversions

Conversions Part 2

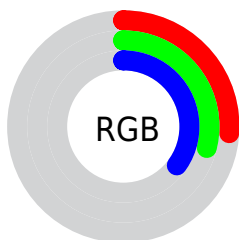
Format	Color
RYB	67, 72, 88
Decimal	4409688
CIELab	31.00, 1.33, -9.69
CIELCh	31, 9.778, 277.837
Yxy	6.6515, 0.2772, 0.2859
Android (android.graphics.Color)	4282599768 (0xFF434958)
YUV	72.9160, 7.4364, -5.1883
Hunter-Lab	25.7905, -0.5079, -5.3090

Details

The CIELCh color $31, 9.778, 277.837$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $35, 9.710, 92.024$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $51, 10.114, 278.633$, and $11, 9.804, 275.973$ is the 20% darker color. If you saturate the color by 10%, you get $28, 14.012, 279.467$, and if you desaturate by 10%, it is $34, 5.629, 276.426$.

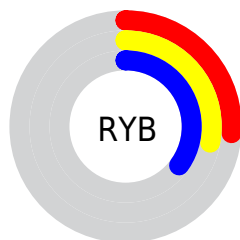
Distribution



Red (26%)

Green (29%)

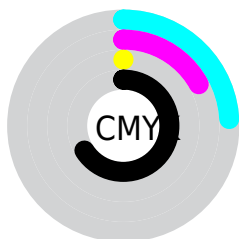
Blue (35%)



Red (26%)

Yellow (28%)

Blue (35%)

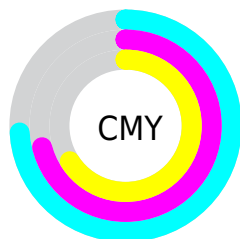


Cyan (24%)

Magenta (17%)

Yellow (0%)

Black (66%)



Cyan (74%)

Magenta (71%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 9.778, 277.837 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, 9.778, 277.837 by changing the saturation by 10% instead.

31, 9.778, 277.837

31, 9.778, 277.837

100, 9.778,
277.837

21, 9.778, 277.837

51, 9.778, 277.837

11, 9.778, 277.837

61, 9.778, 277.837

1, 9.778, 277.837

71, 9.778, 277.837

0, 9.778, 277.837

81, 9.778, 277.837

91, 9.778, 277.837

31, 9.778, 277.837

31, 9.778, 277.837

28, 14.012,
279.467

34, 5.629, 276.426

26, 18.341,
281.352

36, 1.561, 275.248

23, 22.774,
283.520

39, 2.429, 94.054

20, 27.326,
285.986

42, 6.343, 93.143

18, 32.007,
288.744

44, 10.182, 92.322

16, 36.812,
291.742

47, 13.948, 91.592

13, 41.705,
294.777

50, 17.643, 90.942

12, 44.731,
296.380

52, 21.266, 90.358

55, 24.821, 89.833

Harmonies

Complementary

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



31, 9.778, 277.837



35, 9.710, 92.024

Rectangle

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



31, 9.778, 277.837



31, 9.778, 327.837



31, 9.778, 97.837



31, 9.778, 147.837

Sweetspot

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



31, 9.777, 277.834



46, 3.516, 275.608



36, 9.570, 173.876



23, 2.303, 275.637



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, 9.777, 277.834



39, 14.879, 278.799



30, 13.646, 299.711



16, 2.233, 275.787



16, 52.708, 297.299



38, 100.171, 299.539

Inverse Universe

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



31, 10.140, 359.223



38, 15.485, 359.948



36, 13.015, 116.493



16, 2.284, 357.641



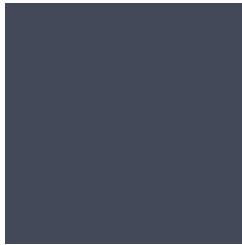
21, 45.884, 19.234



49, 83.385, 23.341

Previews

White Background



This preview shows how the CIELCh color 31, 9.778, 277.837 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, 9.778, 277.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

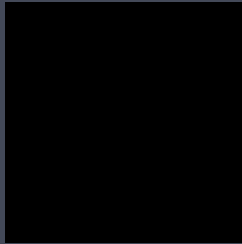
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

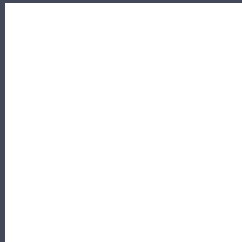
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 9.778, 277.837

Background



This preview shows how black text looks on a background with the CIELCh color 31, 9.778, 277.837.

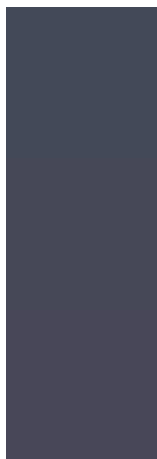


This preview shows how white text looks on a background with the CIELCh color 31, 9.778, 277.837.

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, 9.778, 277.837

Protanopia

31, 9.580, 287.096

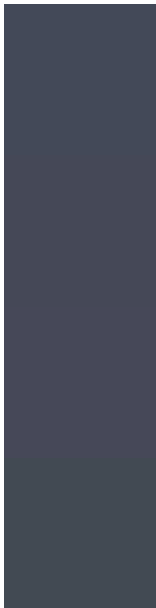
Deuteranopia

31, 10.871, 294.258



Tritanopia
31, 5.249, 245.979

Trichromacy



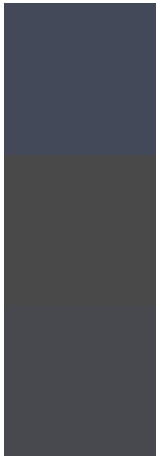
Original Color
31, 9.778, 277.837

Protanomaly
31, 9.613, 284.731

Deuteranomaly
31, 10.214, 287.532

Tritanomaly
31, 6.506, 261.239

Monochromacy



Original Color
31, 9.778, 277.837

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 3.281, 275.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 9.778, 277.837 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(67, 73, 88)` looks like.

```
.text, #text, p{  
    color:rgb(67, 73, 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(67, 73, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 73, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 9.778, 277.837 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(67, 73, 88) }
```

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

```
.border{ border-color:rgb(67, 73, 88) }
```

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

Here you see how a box with a 4 pixel rgb(67, 73, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 73, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 73, 88);  
box-shadow:4px 4px 4px 4px rgb(67, 73, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 9.778, 277.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 73, 88) }
```

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

```
.background{ background-color: rgb(67, 73,  
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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