

Converting Colors

CIELCh(31, 14.312, 331.821)

Have a look what the booklet for
CIELCh(31, 14.312, 331.821)
contains.

| | |
|--|----|
| CIELCh(31, 14.789, 331.328) | 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, 14.789, 331.328)

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | 584254 |
| RGB | 88, 66, 84 |
| RGB Percent | 35%, 26%, 33% |
| CMY | 0.6540, 0.7403, 0.6697 |
| CMYK | 0.00, 0.25, 0.05, 0.65 |
| HSL | 311°, 14%, 30% |
| HSV | 311°, 25%, 35% |
| XYZ | 7.6163, 6.6515, 9.3163 |
| YIQ | 74.6300, 7.3340, 10.2620 |

Conversions

Conversions Part 2

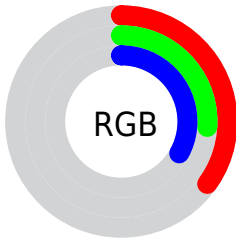
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 88, 66, 84 |
| Decimal | 5784148 |
| CIE Lab | 31.00, 12.98, -7.10 |
| CIE LCh | 31, 14.789, 331.328 |
| Yxy | 6.6515, 0.3229, 0.2820 |
| Android (android.graphics.Color) | 4283974228 (0xFF584254) |
| YUV | 74.6300, 4.6194, 11.7255 |
| Hunter-Lab | 25.7905, 7.5802, -3.3640 |

Details

The CIELCh color $31, 14.789, 331.328$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $35, 14.735, 148.279$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $51, 15.033, 330.404$, and $11, 14.571, 331.338$ is the 20% darker color. If you saturate the color by 10%, you get $29, 20.679, 331.936$, and if you desaturate by 10%, it is $34, 8.834, 330.733$.

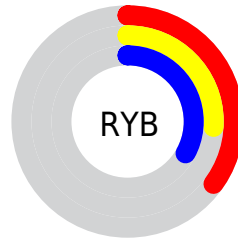
Distribution



Red (35%)

Green (26%)

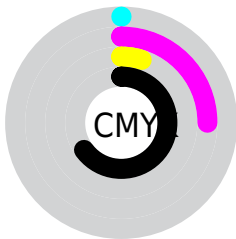
Blue (33%)



Red (35%)

Yellow (26%)

Blue (33%)

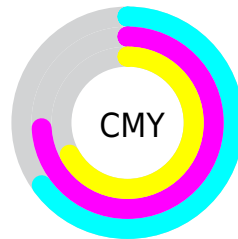


Cyan (0%)

Magenta (25%)

Yellow (5%)

Black (65%)



Cyan (65%)


Magenta (74%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 14.789, 331.328 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, 14.789, 331.328 by changing the saturation by 10% instead.

 31, 14.789,
331.328


 31, 14.789,
331.328

 100, 14.789,
331.328


 21, 14.789,
331.328

 51, 14.789,
331.328


 11, 14.789,
331.328


 61, 14.789,
331.328

 1, 14.789, 331.328

 71, 14.789,
331.328

 0, 14.789, 331.328

 81, 14.789,
331.328

 91, 14.789,
331.328

31, 14.789,
331.328

31, 14.789,
331.328

29, 20.679,
331.936

34, 8.834, 330.733

26, 26.379,
332.556

36, 2.907, 330.123

39, 2.934, 149.688

24, 31.722,
333.188

42, 8.651, 149.122

22, 36.502,
333.837

44, 14.223,
148.608

21, 40.493,
334.509

47, 19.640,
148.123

20, 43.487,
335.219

50, 24.902,
147.663

19, 45.618,
335.962

53, 30.011,
147.227

18, 46.724,

56, 34.972,

336.321

146.814

Harmonies

Complementary

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



31, 14.789, 331.328



35, 14.735, 148.279

Rectangle

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



31, 14.789, 331.328



31, 14.789, 21.328



31, 14.789, 151.328



31, 14.789, 201.328

Sweetspot

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



31, 14.788, 331.328



46, 5.116, 330.270



29, 14.290, 298.637



23, 3.351, 330.286



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, 14.788, 331.328



39, 22.078, 331.694



31, 10.864, 356.041



16, 3.249, 330.364



23, 53.334, 336.561



53, 93.981, 337.238

Inverse Universe

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



31, 14.788, 331.328



39, 22.078, 331.694



36, 10.242, 171.502



16, 3.249, 330.364



23, 53.334, 336.561



53, 93.981, 337.238

Previews

White Background



This preview shows how the CIELCh color 31, 14.789, 331.328 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, 14.789, 331.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

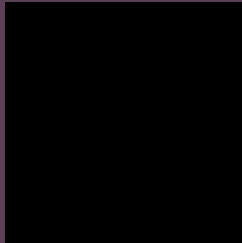
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 14.789, 331.328

Background



This preview shows how black text looks on a background with the CIELCh color 31, 14.789, 331.328.

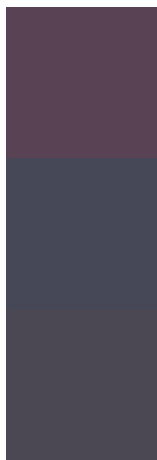


This preview shows how white text looks on a background with the CIELCh color 31, 14.789, 331.328.

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, 14.789, 331.328

Protanopia

31, 10.214, 287.532

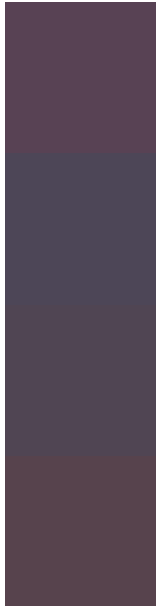
Deuteranopia

31, 7.866, 303.802



Tritanopia
31, 9.078, 0.606

Trichromacy



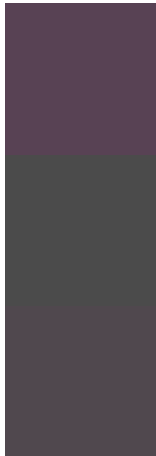
Original Color
31, 14.789, 331.328

Protanomaly
31, 11.271, 306.860

Deuteranomaly
31, 10.114, 319.047

Tritanomaly
31, 10.838, 345.504

Monochromacy



Original Color
31, 14.789, 331.328

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 5.178, 332.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 14.789, 331.328 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(88, 66, 84)` looks like.

```
.text, #text, p{  
    color:rgb(88, 66, 84)  
}
```

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(88, 66, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 66, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 14.789, 331.328 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(88, 66, 84) }
```

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

```
.border{ border-color:rgb(88, 66, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 66, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 66, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 66, 84);  
box-shadow:4px 4px 4px 4px rgb(88, 66, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 14.789, 331.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 66, 84) }
```

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

```
.background{ background-color: rgb(88, 66,  
84) }
```

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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