

Converting Colors

CIELCh(21, 31.258, 326.999)

Have a look what the booklet for
CIELCh(21, 31.258, 326.999)
contains.

CIELCh(21, 31.226, 326.975)	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(21, 31.226, 326.975)

Conversions

Conversions Part 1

Format	Color
Hex	4C234C
RGB	76, 35, 76
RGB Percent	30%, 14%, 30%
CMY	0.7025, 0.8632, 0.7025
CMYK	0.00, 0.54, 0.00, 0.70
HSL	300°, 37%, 22%
HSV	300°, 54%, 30%
XYZ	4.8664, 3.2451, 7.1827
YIQ	51.9330, 11.2750, 21.4430

Conversions

Conversions Part 2

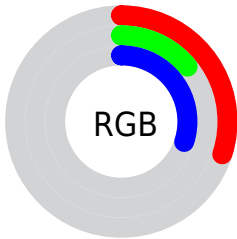
Format	Color
RYB	76, 35, 76
Decimal	4989772
CIELab	21.00, 26.18, -17.02
CIElCh	21, 31.226, 326.975
Yxy	3.2451, 0.3182, 0.2122
Android (android.graphics.Color)	4283179852 (0xFF4C234C)
YUV	51.9330, 11.8650, 21.1068
Hunter-Lab	18.0142, 16.6956, -11.0304

Details

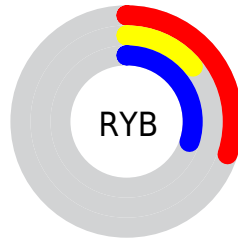
The CIELCh color **21, 31.226, 326.975** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **28, 31.376, 140.501**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 30.856, 326.883**, and **4, 23.788, 328.611** is the 20% darker color. If you saturate the color by 10%, you get **19, 36.122, 327.351**, and if you desaturate by 10%, it is **23, 25.834, 326.552**.

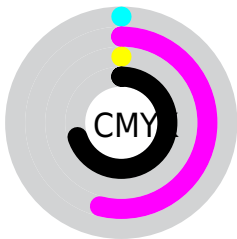
Distribution



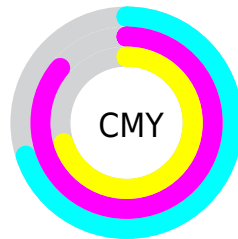
- Red (30%)
- Green (14%)
- Blue (30%)



- Red (30%)
- Yellow (14%)
- Blue (30%)



- Cyan (0%)
- Magenta (54%)
- Yellow (0%)
- Black (70%)





- Cyan (70%)
- Magenta (86%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 31.226, 326.975 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 21, 31.226, 326.975 by changing the saturation by 10% instead.

 21, 31.226,
326.975


 21, 31.226,
326.975

 100, 31.226,
326.975


 11, 31.226,
326.975


 41, 31.226,
326.975


 1, 31.226, 326.975

 51, 31.226,
326.975

 0, 31.226, 326.975

 61, 31.226,
326.975

 71, 31.226,
326.975

 81, 31.226,
326.975

 91, 31.226,

326.975

■ 21, 31.226,
326.975

■ 21, 31.226,
326.975

■ 19, 36.122,
327.351

■ 23, 25.834,
326.552

■ 18, 40.339,
327.667

■ 25, 20.123,
326.094

■ 17, 43.705,
327.914

■ 27, 14.239,
325.612

■ 16, 46.409,
328.110

■ 29, 8.294, 325.115

■ 16, 48.081,
328.229

■ 31, 2.373, 324.583

■ 34, 3.468, 144.188

■ 36, 9.190, 143.689

■ 38, 14.770,
143.224

■ 41, 20.198,
142.781

Harmonies

Complementary

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



21, 31.226, 326.975



28, 31.376, 140.501

Rectangle

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



21, 31.226, 326.975



21, 31.226, 16.975



21, 31.226, 146.975



21, 31.226, 196.975

Sweetspot

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



21, 31.225, 326.975



38, 11.843, 325.244



16, 28.150, 296.607



18, 8.064, 325.296



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



21, 31.225, 326.975



26, 45.387, 327.468



20, 22.869, 347.805



14, 3.312, 324.841



23, 58.972, 328.229



54, 106.718, 328.229

Inverse Universe

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



19, 21.306, 24.849



24, 33.029, 27.696



29, 21.796, 157.722



14, 1.910, 19.792



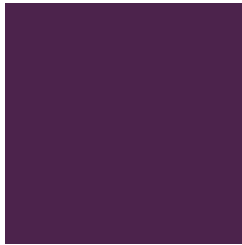
19, 50.500, 35.956



48, 96.563, 39.997

Previews

White Background



This preview shows how the CIE LCh color 21, 31.226, 326.975 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 21, 31.226, 326.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

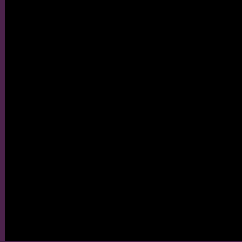
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 31.226, 326.975

Background



This preview shows how black text looks on a background with the CIELCh color 21, 31.226, 326.975.



This preview shows how white text looks on a background with the CIELCh color 21, 31.226, 326.975.

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

21, 31.226, 326.975

Protanopia

21, 26.446, 285.139

Deuteranopia

21, 15.018, 281.863



Tritanopia
21, 14.406, 14.865

Trichromacy



Original Color
21, 31.226, 326.975

Protanomaly
20, 27.223, 299.745

Deuteranomaly
21, 20.121, 305.732

Tritanomaly
21, 18.665, 346.801

Monochromacy



Original Color
21, 31.226, 326.975

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 12.145, 325.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 31.226, 326.975 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(76, 35, 76)` looks like.

```
.text, #text, p{  
    color:rgb(76, 35, 76)  
}
```

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(76, 35, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 35, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 31.226, 326.975 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(76, 35, 76) }
```

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

```
.border{ border-color:rgb(76, 35, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 35, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 35, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 35, 76);  
box-shadow:4px 4px 4px 4px rgb(76, 35, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 31.226, 326.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 35, 76) }
```

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

```
.background{ background-color: rgb(76, 35,  
76) }
```

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