

Converting Colors

CIELCh(17, 31.376, 316.221)

Have a look what the booklet for
CIELCh(17, 31.376, 316.221)
contains.

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Color

CIELCh(17, 31.154, 316.387)

Conversions

Conversions Part 1

Format	Color
Hex	3A1E49
RGB	58, 30, 73
RGB Percent	23%, 12%, 29%
CMY	0.7728, 0.8826, 0.7140
CMYK	0.21, 0.59, 0.00, 0.71
HSL	279°, 42%, 20%
HSV	279°, 59%, 29%
XYZ	3.4031, 2.3023, 6.5552
YIQ	43.2740, 2.8850, 19.3090

Conversions

Conversions Part 2

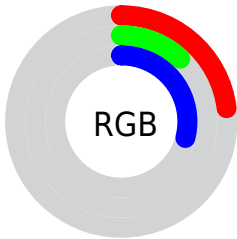
Format	Color
R_{YB}	58, 30, 73
Decimal	3808841
CIE _{Lab}	17.00, 22.56, -21.49
CIE _{LCh}	17, 31.154, 316.387
Yxy	2.3023, 0.2776, 0.1878
Android (android.graphics.Color)	4281998921 (0xFF3A1E49)
YUV	43.2740, 14.6549, 12.9147
Hunter-Lab	15.1734, 13.4809, -14.9930

Details

The CIELCh color **17, 31.154, 316.387** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 29.720, 131.618**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 31.361, 316.704**, and **1, 16.261, 296.281** is the 20% darker color. If you saturate the color by 10%, you get **15, 36.064, 316.645**, and if you desaturate by 10%, it is **19, 25.950, 316.052**.

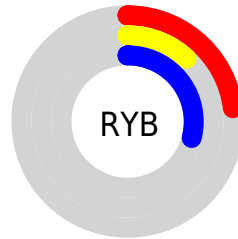
Distribution



Red (23%)

Green (12%)

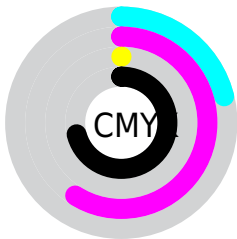
Blue (29%)



Red (23%)

Yellow (12%)

Blue (29%)

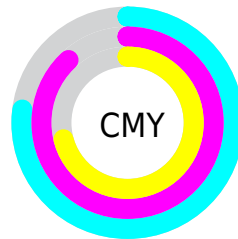


Cyan (21%)

Magenta (59%)

Yellow (0%)

Black (71%)



Cyan (77%)

Magenta (88%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 31.154, 316.387 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 17, 31.154, 316.387 by changing the saturation by 10% instead.

■ 17, 31.154,
316.387

■ 17, 31.154,
316.387

■ 100, 31.154,
316.387

■ 7, 31.154, 316.387

■ 37, 31.154,
316.387

■ 0, 31.154, 316.387

■ 47, 31.154,
316.387


■ 57, 31.154,
316.387


■ 67, 31.154,
316.387


■ 77, 31.154,
316.387


■ 87, 31.154,


316.387


 97, 31.154,
316.387


 17, 31.154,
316.387


 17, 31.154,
316.387


 15, 36.064,
316.645


 19, 25.950,
316.052

 13, 40.482,
316.780


 21, 20.606,
315.672

 12, 44.224,
316.758

 24, 15.227,
315.275

 10, 48.191,
316.873

 26, 9.885, 314.875

 10, 48.647,
316.900

 29, 4.625, 314.480

 31, 0.528, 134.283

■ 34, 5.559, 133.801

■ 36, 10.460,
133.476

■ 39, 15.231,
133.182

Harmonies

Complementary

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



17, 31.154, 316.387



28, 29.720, 131.618

Rectangle

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



17, 31.154, 316.387



17, 31.154, 6.387



17, 31.154, 136.387



17, 31.154, 186.387

Sweetspot

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



17, 31.153, 316.387



35, 11.619, 314.864



18, 19.595, 279.753



16, 8.154, 314.930



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



17, 31.153, 316.387



20, 45.603, 316.728



19, 29.532, 332.117



13, 2.826, 314.464



16, 60.358, 316.465



41, 110.788, 315.731

Inverse Universe

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



18, 22.366, 359.679



22, 32.567, 2.864



27, 29.740, 144.137



13, 2.000, 353.301



19, 42.632, 13.022



48, 78.935, 17.398

Previews

White Background



This preview shows how the CIE LCh color 17, 31.154, 316.387 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 17, 31.154, 316.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

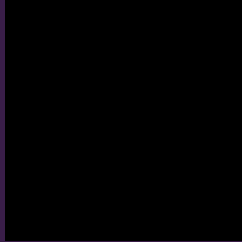
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 31.154, 316.387

Background



This preview shows how black text looks on a background with the CIELCh color 17, 31.154, 316.387.



This preview shows how white text looks on a background with the CIELCh color 17, 31.154, 316.387.

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

17, 31.154, 316.387

Protanopia

17, 30.045, 284.861

Deuteranopia

17, 19.351, 276.163



Tritanopia
17, 7.176, 4.473

Trichromacy



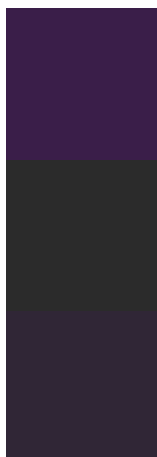
Original Color
17, 31.154, 316.387

Protanomaly
16, 29.896, 293.907

Deuteranomaly
17, 22.995, 294.110

Tritanomaly
17, 14.548, 329.145

Monochromacy



Original Color
17, 31.154, 316.387

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 12.045, 314.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 31.154, 316.387 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(58, 30, 73)` looks like.

```
.text, #text, p{  
    color:rgb(58, 30, 73)  
}
```

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(58, 30, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 30, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 31.154, 316.387 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(58, 30, 73) }
```

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

```
.border{ border-color:rgb(58, 30, 73) }
```

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

Here you see how a box with a 4 pixel rgb(58, 30, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 30, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 30, 73);  
box-shadow:4px 4px 4px 4px rgb(58, 30, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 31.154, 316.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 30, 73) }
```

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

```
.background{ background-color: rgb(58, 30,  
73) }
```

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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