

Converting Colors

CIELCh(30, 2.359, 319.929)

Have a look what the booklet for
CIELCh(30, 2.359, 319.929) contains.

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Color

CIELCh(30, 2.123, 314.781)

Conversions

Conversions Part 1

Format	Color
Hex	484649
RGB	72, 70, 73
RGB Percent	28%, 27%, 29%
CMY	0.7177, 0.7256, 0.7138
CMYK	0.01, 0.04, 0.00, 0.71
HSL	280°, 2%, 28%
HSV	280°, 4%, 29%
XYZ	6.0622, 6.2359, 7.1843
YIQ	70.9400, 0.2290, 1.3570

Conversions

Conversions Part 2

Format	Color
R_{YB}	72, 70, 73
Decimal	4736585
CIE Lab	30.00, 1.50, -1.51
CIE LCh	30, 2.123, 314.781
Yxy	6.2359, 0.3112, 0.3201
Android (android.graphics.Color)	4282926665 (0xFF484649)
YUV	70.9400, 1.0156, 0.9296
Hunter-Lab	24.9718, -0.3679, 0.4228

Details

The CIELCh color **30, 2.123, 314.781** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 2.107, 134.554**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 2.488, 309.172**, and **10, 2.442, 314.949** is the 20% darker color. If you saturate the color by 10%, you get **28, 7.355, 315.181**, and if you desaturate by 10%, it is **32, 2.997, 134.486**.

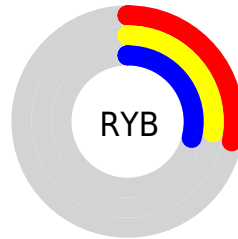
Distribution



 Red (28%)

 Green (27%)

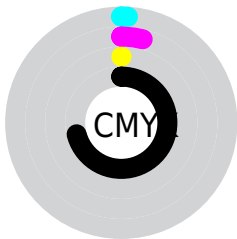
 Blue (29%)



 Red (28%)

 Yellow (27%)

 Blue (29%)

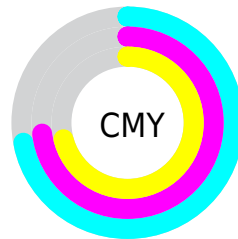


 Cyan (1%)

 Magenta (4%)

 Yellow (0%)

 Black (71%)



 Cyan (72%)

 Magenta (73%)

 Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 2.123, 314.781 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 30, 2.123, 314.781 by changing the saturation by 10% instead.

■ 30, 2.123, 314.781

■ 30, 2.123, 314.781

100, 2.123,
314.781

■ 20, 2.123, 314.781

■ 50, 2.123, 314.781

■ 10, 2.123, 314.781

■ 60, 2.123, 314.781

■ 0, 2.123, 314.781

■ 70, 2.123, 314.781

■ 80, 2.123, 314.781

■ 90, 2.123, 314.781

■ 30, 2.123, 314.781

■ 30, 2.123, 314.781

■ 28, 7.355, 315.181

■ 32, 2.997, 134.486

25, 12.682,
315.577

35, 7.990, 134.136

23, 18.064,
315.974

37, 12.854,
133.824

20, 23.443,
316.360

40, 17.587,
133.540

18, 28.729,
316.713

42, 22.193,
133.283

16, 33.790,
317.006

45, 26.675,
133.050

14, 38.448,
317.198

47, 31.040,
132.840

12, 42.484,
317.243

50, 35.291,
132.652

11, 46.127,
317.231

52, 39.435,
132.484

Harmonies

Complementary

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



30, 2.123, 314.781



31, 2.107, 134.554

Rectangle

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



30, 2.123, 314.781



30, 2.123, 4.781



30, 2.123, 134.781



30, 2.123, 184.781

Sweetspot

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



30, 2.122, 314.776



40, 0.641, 314.549



30, 1.323, 270.323



20, 0.368, 314.526



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 2.122, 314.776



39, 3.198, 314.824



30, 2.109, 328.993



13, 1.697, 314.822



16, 60.190, 316.912



41, 110.446, 316.195

Inverse Universe

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



30, 1.478, 353.864



39, 2.229, 353.987



31, 2.100, 148.690



13, 1.183, 353.981



19, 42.784, 14.422



48, 79.416, 18.857

Previews

White Background



This preview shows how the CIELCh color 30, 2.123, 314.781 looks on a white background.

Color Contrast Check

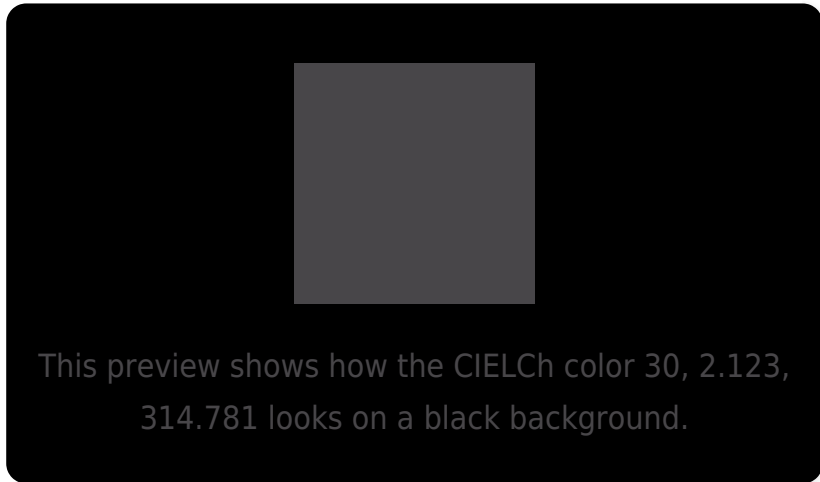
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

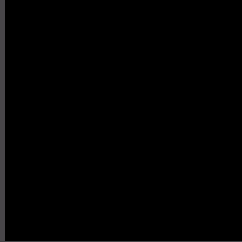
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

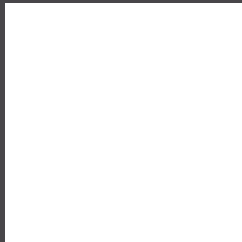
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 2.123, 314.781

Background



This preview shows how black text looks on a background with the CIELCh color 30, 2.123, 314.781.



This preview shows how white text looks on a background with the CIELCh color 30, 2.123, 314.781.

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

30, 2.123, 314.781

Protanopia

30, 1.980, 303.232

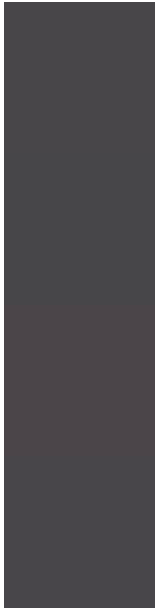
Deuteranopia

30, 4.779, 338.146



Tritanopia
30, 3.331, 305.785

Trichromacy



Original Color

30, 2.123, 314.781

Protanomaly

30, 1.980, 303.232

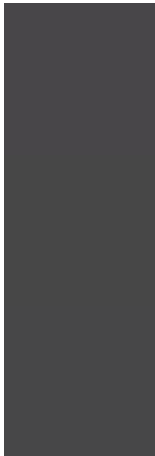
Deuteranomaly

30, 3.693, 336.122

Tritanomaly

30, 2.719, 309.259

Monochromacy



Original Color

30, 2.123, 314.781

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 0.643, 290.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 2.123, 314.781 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(72, 70, 73)` looks like.

```
.text, #text, p{  
    color:rgb(72, 70, 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(72, 70, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 70, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 2.123, 314.781 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(72, 70, 73) }
```

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

```
.border{ border-color:rgb(72, 70, 73) }
```

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

Here you see how a box with a 4 pixel rgb(72, 70, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 70, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 70, 73);  
box-shadow:4px 4px 4px 4px rgb(72, 70, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 2.123, 314.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 70, 73) }
```

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

```
.background{ background-color: rgb(72, 70,  
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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