

Converting Colors

CIELCh(30, 1.678, 301.916)

Have a look what the booklet for
CIELCh(30, 1.678, 301.916) contains.

CIELCh(30, 1.980, 303.232)	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(30, 1.980, 303.232)

Conversions

Conversions Part 1

Format	Color
Hex	474649
RGB	71, 70, 73
RGB Percent	28%, 27%, 29%
CMY	0.7208, 0.7247, 0.7129
CMYK	0.03, 0.04, 0.00, 0.71
HSL	260°, 2%, 28%
HSV	260°, 4%, 29%
XYZ	6.0249, 6.2359, 7.2241
YIQ	70.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

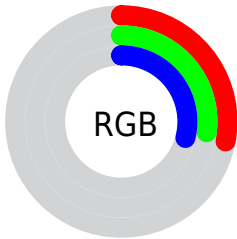
Format	Color
R_{YB}	71, 70, 73
Decimal	4671049
CIE Lab	30.00, 1.09, -1.66
CIE LCh	30, 1.980, 303.232
Yxy	6.2359, 0.3092, 0.3200
Android (android.graphics.Color)	4282861129 (0xFF474649)
YUV	70.6410, 1.1630, 0.3148
Hunter-Lab	24.9718, -0.6344, 0.3281

Details

The CIELCh color **30, 1.980, 303.232** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 1.958, 122.858**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 2.386, 300.095**, and **10, 2.281, 303.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 6.904, 303.757**, and if you desaturate by 10%, it is **33, 2.794, 122.780**.

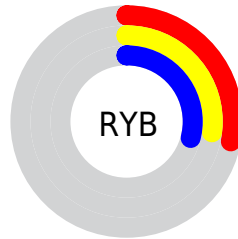
Distribution



 Red (28%)

 Green (27%)

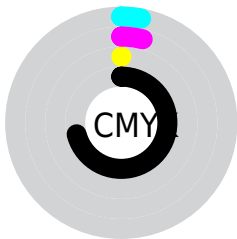
 Blue (29%)



 Red (28%)

 Yellow (27%)

 Blue (29%)

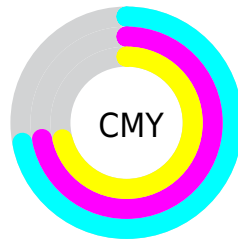


 Cyan (3%)

 Magenta (4%)

 Yellow (0%)

 Black (71%)



 Cyan (72%)

 Magenta (72%)

 Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 1.980, 303.232 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, 1.980, 303.232 by changing the saturation by 10% instead.

■ 30, 1.980, 303.232

■ 30, 1.980, 303.232

■ 100, 1.980,
303.232

■ 20, 1.980, 303.232

■ 50, 1.980, 303.232

■ 10, 1.980, 303.232

■ 60, 1.980, 303.232

■ 0, 1.980, 303.232

■ 70, 1.980, 303.232

■ 80, 1.980, 303.232

■ 90, 1.980, 303.232

■ 30, 1.980, 303.232

■ 30, 1.980, 303.232

■ 27, 6.904, 303.757

■ 33, 2.794, 122.780

■ 25, 11.981,
304.344

■ 35, 7.419, 122.361

■ 22, 17.205,
304.991

■ 38, 11.902,
121.997

■ 19, 22.557,
305.693

■ 41, 16.252,
121.679

■ 17, 27.995,
306.435

■ 43, 20.474,
121.400

■ 14, 33.435,
307.188

■ 46, 24.575,
121.158

■ 12, 38.732,
307.901

■ 49, 28.564,
120.947

■ 9, 43.644, 308.495

■ 51, 32.445,
120.764

■ 7, 48.341, 309.094

■ 54, 36.225,
120.606

Harmonies

Complementary

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



30, 1.980, 303.232



31, 1.958, 122.858

Rectangle

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



30, 1.980, 303.232



30, 1.980, 353.232



30, 1.980, 123.232



30, 1.980, 173.232

Sweetspot

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



30, 1.979, 303.221



40, 0.597, 303.029



31, 1.069, 234.132



20, 0.343, 303.016



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, 1.979, 303.221



38, 2.983, 303.279



30, 2.212, 319.424



13, 1.583, 303.276



11, 64.251, 309.371



32, 118.404, 308.654

Inverse Universe

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



30, 1.850, 335.817



39, 2.787, 335.904



31, 2.201, 139.190



13, 1.479, 335.900



20, 45.868, 345.934



50, 82.625, 347.741

Previews

White Background



This preview shows how the CIELCh color 30, 1.980, 303.232 looks on a white background.

Color Contrast Check

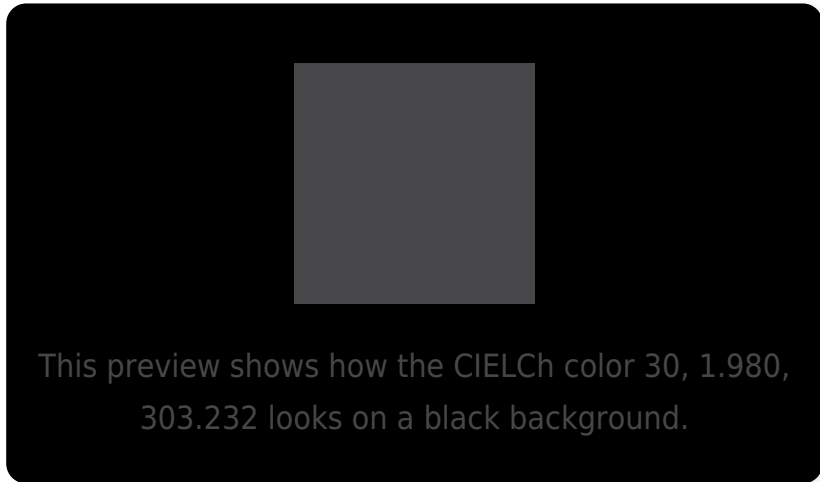
Large Text (above 18pt) WCAG AA ✓ Pass

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

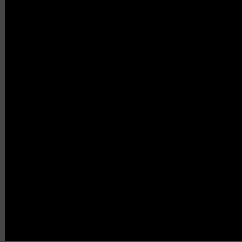
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

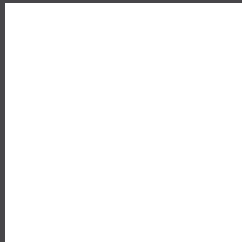
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 1.980, 303.232

Background



This preview shows how black text looks on a background with the CIELCh color 30, 1.980, 303.232.

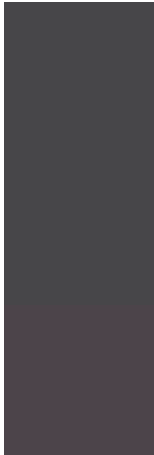


This preview shows how white text looks on a background with the CIELCh color 30, 1.980, 303.232.

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, 1.980, 303.232

Protanopia

30, 1.980, 303.232

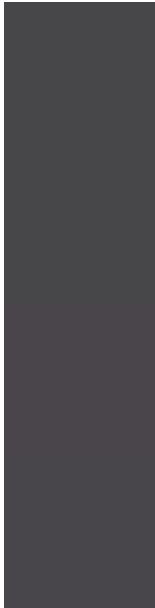
Deuteranopia

30, 5.225, 332.924



Tritanopia
30, 3.331, 305.785

Trichromacy



Original Color

30, 1.980, 303.232

Protanomaly

30, 1.980, 303.232

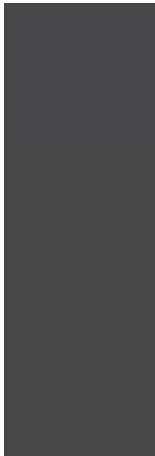
Deuteranomaly

30, 3.897, 324.740

Tritanomaly

30, 2.719, 309.259

Monochromacy



Original Color

30, 1.980, 303.232

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, 1.980, 303.232 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(71, 70, 73)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 70, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 70, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 1.980, 303.232 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(71, 70, 73) }
```

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

```
.border{ border-color:rgb(71, 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(71, 70, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 70, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 70, 73);  
box-shadow:4px 4px 4px 4px rgb(71, 70, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 1.980, 303.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 70, 73) }
```

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

```
.background{ background-color: rgb(71, 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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