

Converting Colors

CIELCh(30, 5.165, 308.315)

Have a look what the booklet for
CIELCh(30, 5.165, 308.315) contains.

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Color

CIELCh(30, 5.434, 309.476)

Conversions

Conversions Part 1

Format	Color
Hex	49454D
RGB	73, 69, 77
RGB Percent	29%, 27%, 30%
CMY	0.7131, 0.7288, 0.6974
CMYK	0.05, 0.10, 0.00, 0.70
HSL	270°, 5%, 29%
HSV	270°, 10%, 30%
XYZ	6.2423, 6.2359, 7.9251
YIQ	71.1080, -0.1840, 3.3360

Conversions

Conversions Part 2

Format	Color
R_{YB}	73, 69, 77
Decimal	4801869
CIE Lab	30.00, 3.45, -4.19
CIE LCh	30, 5.434, 309.476
Yxy	6.2359, 0.3059, 0.3056
Android (android.graphics.Color)	4282991949 (0xFF49454D)
YUV	71.1080, 2.9048, 1.6593
Hunter-Lab	24.9718, 0.9196, -1.3361

Details

The CIELCh color $30, 5.434, 309.476$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $32, 5.360, 128.665$, and the grayscale version is $30, 0.005, 296.813$.

A 20% lighter version of the original color is $50, 5.657, 311.258$, and $10, 5.406, 307.329$ is the 20% darker color. If you saturate the color by 10%, you get $27, 10.806, 309.917$, and if you desaturate by 10%, it is $33, 0.196, 308.777$.

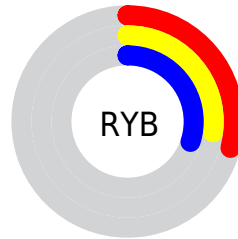
Distribution



Red (29%)

Green (27%)

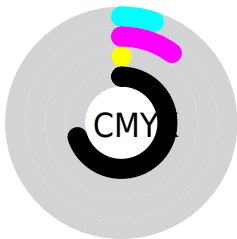
Blue (30%)



Red (29%)

Yellow (27%)

Blue (30%)

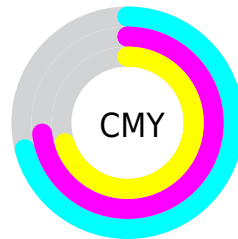


Cyan (5%)

Magenta (10%)

Yellow (0%)

Black (70%)



Cyan (71%)

Magenta (73%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 5.434, 309.476 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, 5.434, 309.476 by changing the saturation by 10% instead.

■ 30, 5.434, 309.476

■ 30, 5.434, 309.476

■ 100, 5.434,
309.476

■ 20, 5.434, 309.476

■ 50, 5.434, 309.476

■ 10, 5.434, 309.476

■ 60, 5.434, 309.476

■ 0, 5.434, 309.476

■ 70, 5.434, 309.476

■ 80, 5.434, 309.476

■ 90, 5.434, 309.476

■ 30, 5.434, 309.476

■ 30, 5.434, 309.476

■ 27, 10.806,
309.917

■ 33, 0.196, 308.777

■ 25, 16.300,
310.387

■ 35, 4.897, 128.726

■ 22, 21.881,
310.875

■ 38, 9.847, 128.390

■ 19, 27.493,
311.365

■ 41, 14.655,
128.093

■ 17, 33.037,
311.830

■ 44, 19.328,
127.829

■ 15, 38.361,
312.227

■ 46, 23.870,
127.597

■ 12, 43.240,
312.496

■ 49, 28.288,
127.392

■ 11, 47.479,
312.599

■ 51, 32.588,
127.214

■ 9, 52.009, 312.963

■ 54, 36.777,
127.058

Harmonies

Complementary

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



30, 5.434, 309.476



32, 5.360, 128.665

Rectangle

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



30, 5.434, 309.476



30, 5.434, 359.476



30, 5.434, 129.476



30, 5.434, 179.476

Sweetspot

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



30, 5.433, 309.473



41, 1.924, 309.151



31, 2.994, 254.852



20, 1.471, 309.181



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 5.433, 309.473



38, 7.776, 309.563



30, 6.174, 324.480



14, 2.896, 309.399



14, 63.305, 312.529



37, 115.403, 311.738

Inverse Universe

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



30, 4.373, 344.382



39, 6.256, 344.553



32, 6.163, 143.482



14, 2.332, 344.238



20, 43.482, 359.445



49, 78.178, 2.657

Previews

White Background



This preview shows how the CIELCh color 30, 5.434, 309.476 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 30, 5.434, 309.476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

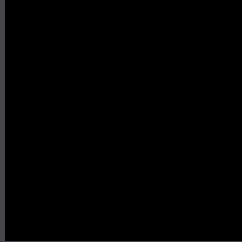
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 5.434, 309.476

Background



This preview shows how black text looks on a background with the CIELCh color 30, 5.434, 309.476.

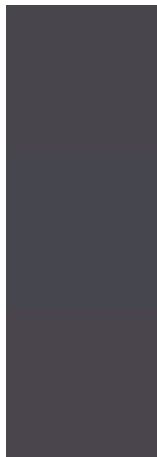


This preview shows how white text looks on a background with the CIELCh color 30, 5.434, 309.476.

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, 5.434, 309.476

Protanopia

30, 5.128, 291.136

Deuteranopia

30, 5.586, 313.687



Tritanopia
30, 3.472, 312.710

Trichromacy



Original Color

30, 5.434, 309.476

Protanomaly

30, 5.151, 295.845

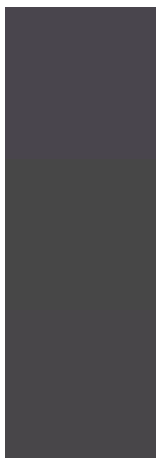
Deuteranomaly

30, 5.586, 313.687

Tritanomaly

30, 4.072, 309.368

Monochromacy



Original Color

30, 5.434, 309.476

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 2.123, 314.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 5.434, 309.476 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(73, 69, 77)` looks like.

```
.text, #text, p{  
    color:rgb(73, 69, 77)  
}
```

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(73, 69, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 69, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 5.434, 309.476 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(73, 69, 77) }
```

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

```
.border{ border-color:rgb(73, 69, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 69, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 69, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 69, 77);  
box-shadow:4px 4px 4px 4px rgb(73, 69, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 5.434, 309.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 69, 77) }
```

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

```
.background{ background-color: rgb(73, 69,  
77) }
```

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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