

Converting Colors

CIELCh(30, 6.546, 302.480)

Have a look what the booklet for
CIELCh(30, 6.546, 302.480) contains.

CIELCh(30, 6.561, 302.488)	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, 6.561, 302.488)

Conversions

Conversions Part 1

Format	Color
Hex	48454F
RGB	72, 69, 79
RGB Percent	28%, 27%, 31%
CMY	0.7168, 0.7286, 0.6893
CMYK	0.09, 0.13, 0.00, 0.69
HSL	258°, 7%, 29%
HSV	258°, 13%, 31%
XYZ	6.2487, 6.2359, 8.3127
YIQ	71.0370, -1.4220, 3.7460

Conversions

Conversions Part 2

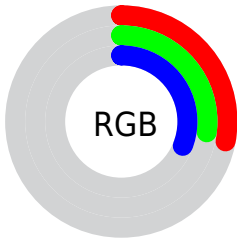
Format	Color
R_{YB}	72, 69, 79
Decimal	4736335
CIE Lab	30.00, 3.52, -5.53
CIE LCh	30, 6.561, 302.488
Yxy	6.2359, 0.3005, 0.2998
Android (android.graphics.Color)	4282926415 (0xFF48454F)
YUV	71.0370, 3.9258, 0.8446
Hunter-Lab	24.9718, 0.9656, -2.2564

Details

The CIELCh color **30, 6.561, 302.488** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 6.416, 121.152**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 6.573, 301.279**, and **10, 6.836, 304.218** is the 20% darker color. If you saturate the color by 10%, you get **27, 11.943, 303.110**, and if you desaturate by 10%, it is **33, 1.347, 301.916**.

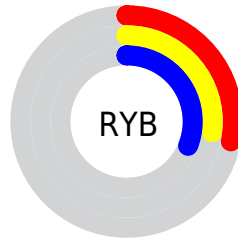
Distribution



Red (28%)

Green (27%)

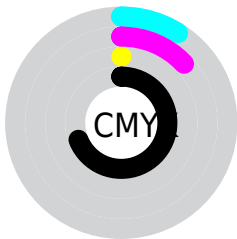
Blue (31%)



Red (28%)

Yellow (27%)

Blue (31%)

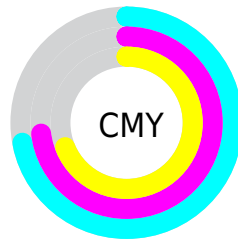


Cyan (9%)

Magenta (13%)

Yellow (0%)

Black (69%)



Cyan (72%)

Magenta (73%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 6.561, 302.488 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, 6.561, 302.488 by changing the saturation by 10% instead.

■ 30, 6.561, 302.488

■ 30, 6.561, 302.488

■ 100, 6.561,
302.488

■ 20, 6.561, 302.488

■ 50, 6.561, 302.488

■ 10, 6.561, 302.488

■ 60, 6.561, 302.488

■ 0, 6.561, 302.488

■ 70, 6.561, 302.488

■ 80, 6.561, 302.488

■ 90, 6.561, 302.488

■ 30, 6.561, 302.488

■ 30, 6.561, 302.488

■ 27, 11.943,
303.110

■ 33, 1.347, 301.916

24, 17.494,
303.805

21, 23.196,
304.567

18, 29.012,
305.383

16, 34.861,
306.227

13, 40.592,
307.046

11, 45.948,
307.758

8, 50.830, 308.378

7, 54.786, 309.054

36, 3.700, 121.452

39, 8.586, 121.018

42, 13.319,
120.641

44, 17.908,
120.311

47, 22.360,
120.024

50, 26.684,
119.775

53, 30.886,
119.558

56, 34.974,
119.371

Harmonies

Complementary

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



30, 6.561, 302.488



33, 6.416, 121.152

Rectangle

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



30, 6.561, 302.488



30, 6.561, 352.488



30, 6.561, 122.488



30, 6.561, 172.488

Sweetspot

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



30, 6.560, 302.485



42, 2.530, 302.003



32, 3.467, 230.367



20, 1.776, 302.029



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, 6.560, 302.485



38, 9.649, 302.659



30, 7.256, 318.795



15, 2.958, 302.261



11, 66.997, 308.823



32, 121.126, 308.196

Inverse Universe

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



31, 6.269, 335.042



39, 9.195, 335.234



33, 7.208, 137.798



15, 2.836, 334.784



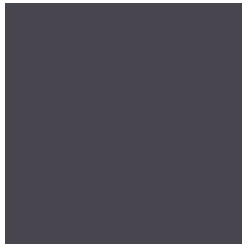
22, 48.411, 343.761



52, 85.718, 345.206

Previews

White Background



This preview shows how the CIE LCh color 30, 6.561, 302.488 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, 6.561, 302.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

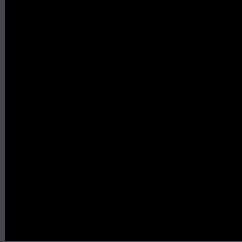
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 6.561, 302.488

Background



This preview shows how black text looks on a background with the CIELCh color 30, 6.561, 302.488.

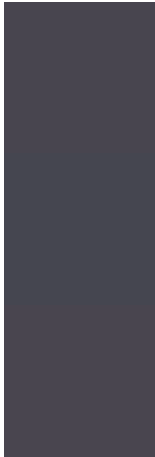


This preview shows how white text looks on a background with the CIELCh color 30, 6.561, 302.488.

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, 6.561, 302.488

Protanopia

30, 6.415, 287.653

Deuteranopia

30, 6.659, 306.081



Tritanopia
30, 3.331, 305.785

Trichromacy



Original Color

30, 6.561, 302.488

Protanomaly

30, 6.408, 291.369

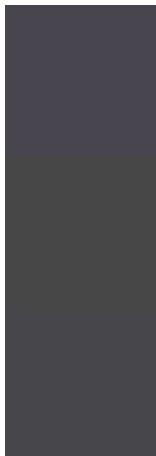
Deuteranomaly

30, 6.659, 306.081

Tritanomaly

30, 4.579, 301.754

Monochromacy



Original Color

30, 6.561, 302.488

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 2.608, 300.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 6.561, 302.488 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, 69, 79)` looks like.

```
.text, #text, p{  
    color:rgb(72, 69, 79)  
}
```

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, 69, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 69, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 6.561, 302.488 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, 69, 79) }
```

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

```
.border{ border-color:rgb(72, 69, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 69, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 69, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 69, 79);  
box-shadow:4px 4px 4px 4px rgb(72, 69, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 6.561, 302.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 69, 79) }
```

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

```
.background{ background-color: rgb(72, 69,  
79) }
```

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