

Converting Colors

CIELCh(28, 3.006, 328.047)

Have a look what the booklet for
CIELCh(28, 3.006, 328.047) contains.

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Color

CIELCh(28, 3.153, 324.684)

Conversions

Conversions Part 1

Format	Color
Hex	454145
RGB	69, 65, 69
RGB Percent	27%, 25%, 27%
CMY	0.7298, 0.7455, 0.7298
CMYK	0.00, 0.06, 0.00, 0.73
HSL	300°, 3%, 26%
HSV	300°, 6%, 27%
XYZ	5.4010, 5.4574, 6.3808
YIQ	66.6520, 1.1000, 2.0920

Conversions

Conversions Part 2

Format	Color
R_{YB}	69, 65, 69
Decimal	4538693
CIE Lab	28.00, 2.57, -1.82
CIE LCh	28, 3.153, 324.684
Yxy	5.4574, 0.3133, 0.3166
Android (android.graphics.Color)	4282728773 (0xFF454145)
YUV	66.6520, 1.1576, 2.0592
Hunter-Lab	23.3610, 0.3872, 0.1582

Details

The CIELCh color **28, 3.153, 324.684** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 3.144, 144.188**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 2.876, 324.559**, and **8, 2.741, 324.854** is the 20% darker color. If you saturate the color by 10%, you get **26, 8.624, 325.194**, and if you desaturate by 10%, it is **30, 2.254, 144.295**.

Distribution



Red (27%)

Green (25%)

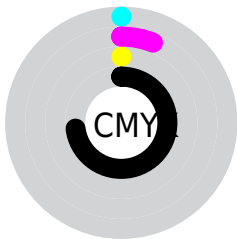
Blue (27%)



Red (27%)

Yellow (25%)

Blue (27%)



Cyan (0%)

Magenta (6%)

Yellow (0%)

Black (73%)



Cyan (73%)

Magenta (75%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 3.153, 324.684 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 28, 3.153, 324.684 by changing the saturation by 10% instead.

■ 28, 3.153, 324.684

■ 28, 3.153, 324.684

100, 3.153,
324.684

■ 18, 3.153, 324.684

■ 48, 3.153, 324.684

■ 8, 3.153, 324.684

■ 58, 3.153, 324.684

■ 0, 3.153, 324.684

■ 68, 3.153, 324.684

■ 78, 3.153, 324.684

■ 88, 3.153, 324.684

■ 98, 3.153, 324.684

■ 28, 3.153, 324.684

■ 28, 3.153, 324.684

26, 8.624, 325.194

30, 2.254, 144.295

24, 14.108,
325.681

32, 7.558, 143.787

22, 19.524,
326.153

35, 12.736,
143.324

20, 24.768,
326.601

37, 17.777,
142.883

19, 29.706,
327.013

39, 22.675,
142.464

17, 34.181,
327.379

41, 27.430,
142.066

16, 38.025,
327.686

44, 32.045,
141.691

15, 41.087,
327.926

46, 36.524,
141.339

14, 43.851,
328.139

48, 40.874,
141.008

Harmonies

Complementary

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



28, 3.153, 324.684



29, 3.144, 144.188

Rectangle

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



28, 3.153, 324.684



28, 3.153, 14.684



28, 3.153, 144.684



28, 3.153, 194.684

Sweetspot

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



28, 3.152, 324.684



37, 1.346, 324.435



28, 2.553, 290.039



19, 0.772, 324.410



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 3.152, 324.684



36, 4.718, 324.763



28, 2.241, 343.096



13, 2.496, 324.744



22, 57.932, 328.232



54, 105.823, 328.232

Inverse Universe

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



28, 1.801, 19.573



36, 2.708, 19.687



29, 2.222, 162.433



13, 1.431, 19.660



19, 49.402, 35.621



47, 95.757, 39.999

Previews

White Background



This preview shows how the CIELCh color 28, 3.153, 324.684 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 28, 3.153, 324.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

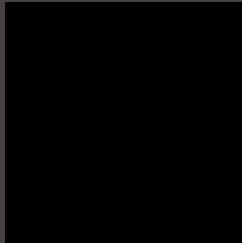
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 3.153, 324.684

Background



This preview shows how black text looks on a background with the CIELCh color 28, 3.153, 324.684.

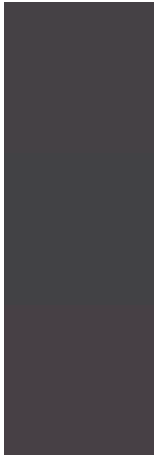


This preview shows how white text looks on a background with the CIELCh color 28, 3.153, 324.684.

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


28, 3.153, 324.684

Protanopia

28, 1.945, 290.571

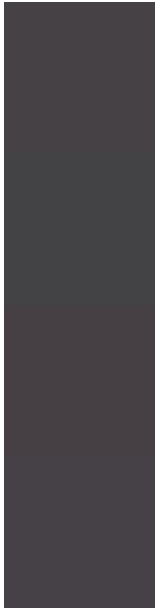
Deuteranopia

28, 4.505, 334.269



Tritanopia
28, 3.704, 319.063

Trichromacy



Original Color

28, 3.153, 324.684

Protanomaly

28, 1.999, 303.242

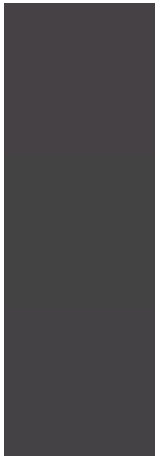
Deuteranomaly

28, 4.210, 329.816

Tritanomaly

28, 3.704, 319.063

Monochromacy



Original Color

28, 3.153, 324.684

Achromatopsia

28, 0.004, 296.813

Achromatomaly

28, 1.579, 324.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 3.153, 324.684 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(69, 65, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 65, 69)  
}
```

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(69, 65, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 65, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 3.153, 324.684 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(69, 65, 69) }
```

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

```
.border{ border-color:rgb(69, 65, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 65, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 65, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 65, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 65, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 3.153, 324.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 65, 69) }
```

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

```
.background{ background-color: rgb(69, 65,  
69) }
```

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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