

Converting Colors

CIELCh(28, 2.795, 4.958)

Have a look what the booklet for
CIELCh(28, 2.795, 4.958) contains.

CIELCh(28, 2.782, 6.414)	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(28, 2.782, 6.414)

Conversions

Conversions Part 1

Format	Color
Hex	474142
RGB	71, 65, 66
RGB Percent	28%, 25%, 26%
CMY	0.7229, 0.7464, 0.7425
CMYK	0.00, 0.08, 0.07, 0.72
HSL	350°, 4%, 27%
HSV	350°, 8%, 28%
XYZ	5.4172, 5.4574, 5.8694
YIQ	66.9080, 3.2550, 1.5830

Conversions

Conversions Part 2

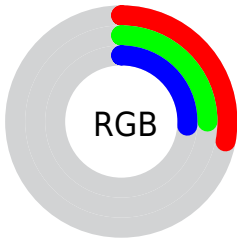
Format	Color
RYB	71, 65, 66
Decimal	4669762
CIELab	28.00, 2.76, 0.31
CIElCh	28, 2.782, 6.414
Yxy	5.4574, 0.3235, 0.3259
Android (android.graphics.Color)	4282859842 (0xFF474142)
YUV	66.9080, -0.4476, 3.5887
Hunter-Lab	23.3610, 0.5109, 1.4562

Details

The CIELCh color **28, 2.782, 6.414** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 2.691, 185.282**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 2.525, 6.110**, and **8, 2.658, 20.126** is the 20% darker color. If you saturate the color by 10%, you get **26, 6.214, 7.393**, and if you desaturate by 10%, it is **30, 0.483, 186.240**.

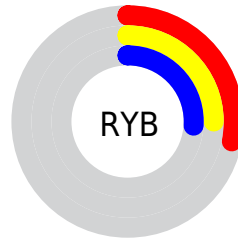
Distribution



Red (28%)

Green (25%)

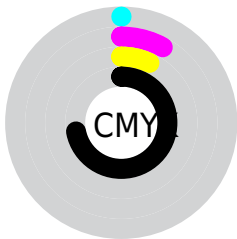
Blue (26%)



Red (28%)

Yellow (25%)

Blue (26%)

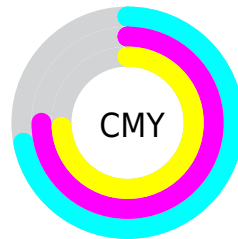


Cyan (0%)

Magenta (8%)

Yellow (7%)

Black (72%)



Cyan (72%)

Magenta (75%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 2.782, 6.414 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, 2.782, 6.414 by changing the saturation by 10% instead.

■ 28, 2.782, 6.414

■ 28, 2.782, 6.414

■ 100, 2.782, 6.414

■ 18, 2.782, 6.414

■ 48, 2.782, 6.414

■ 8, 2.782, 6.414

■ 58, 2.782, 6.414

■ 0, 2.782, 6.414

■ 68, 2.782, 6.414

■ 78, 2.782, 6.414

■ 88, 2.782, 6.414

■ 98, 2.782, 6.414

■ 28, 2.782, 6.414

■ 28, 2.782, 6.414

■ 26, 6.214, 7.393

■ 30, 0.483, 186.240

23, 9.805, 8.483

33, 3.579, 185.108

21, 13.528, 9.772

35, 6.514, 184.468

19, 17.335, 11.328

38, 9.299, 183.914

17, 21.149, 13.230

40, 11.945,
183.420

16, 24.871, 15.578

42, 14.465,
182.974

14, 28.388, 18.475

13, 31.530, 21.502

45, 16.871,
182.568

12, 34.499, 22.635

47, 19.174,
182.197

50, 21.385,
181.855

Harmonies

Complementary

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



28, 2.782, 6.414



29, 2.691, 185.282

Rectangle

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



28, 2.782, 6.414



28, 2.782, 56.414



28, 2.782, 186.414



28, 2.782, 236.414

Sweetspot

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



28, 2.781, 6.428



38, 1.207, 5.835



28, 4.479, 320.117



18, 0.902, 5.916



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, 2.781, 6.428



36, 4.094, 6.610



29, 2.212, 54.998



13, 1.844, 6.440



19, 46.049, 28.114



48, 87.647, 32.594

Inverse Universe

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



28, 2.781, 6.428



36, 4.094, 6.610



29, 2.133, 236.460



13, 1.844, 6.440



19, 46.049, 28.114



48, 87.647, 32.594

Previews

White Background



This preview shows how the CIELCh color 28, 2.782, 6.414 looks on a white background.

Color Contrast Check

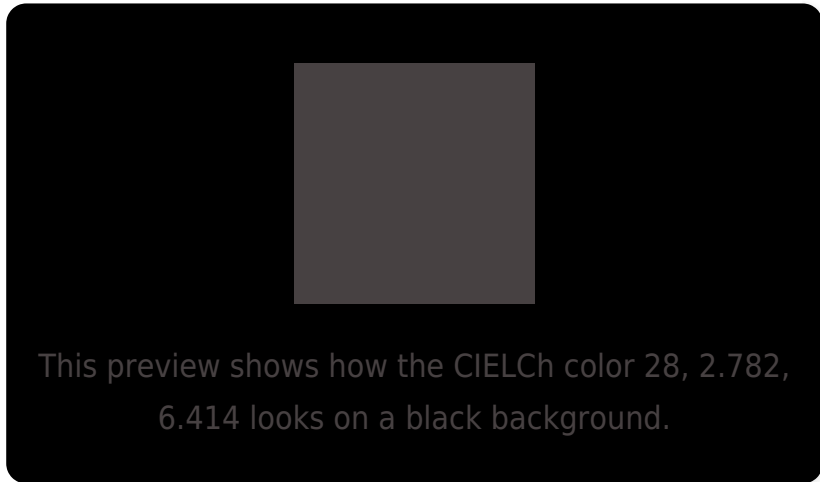
Large Text (above 18pt) WCAG AA ✓ Pass

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

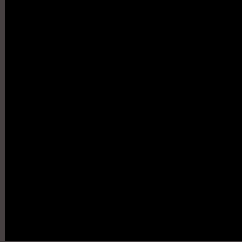
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 2.782, 6.414

Background



This preview shows how black text looks on a background with the CIELCh color 28, 2.782, 6.414.

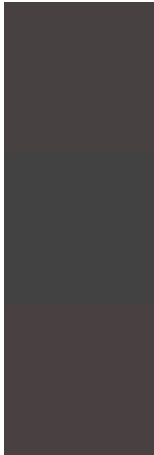


This preview shows how white text looks on a background with the CIELCh color 28, 2.782, 6.414.

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

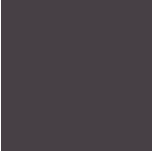
28, 2.782, 6.414

Protanopia

28, 0.446, 18.918

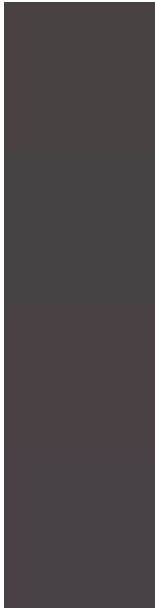
Deuteranopia

28, 4.274, 2.570



Tritanopia
28, 4.505, 334.269

Trichromacy



Original Color

28, 2.782, 6.414

Protanomaly

28, 0.894, 19.275

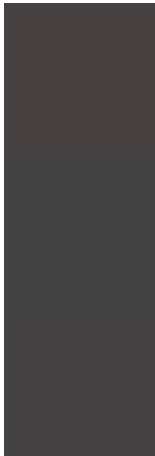
Deuteranomaly

28, 3.840, 0.404

Tritanomaly

28, 4.071, 340.631

Monochromacy



Original Color

28, 2.782, 6.414

Achromatopsia

28, 0.004, 296.813

Achromatomaly

28, 1.108, 343.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 2.782, 6.414 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, 65, 66)` looks like.

```
.text, #text, p{  
    color:rgb(71, 65, 66)  
}
```

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, 65, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 65, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 2.782, 6.414 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, 65, 66) }
```

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

```
.border{ border-color:rgb(71, 65, 66) }
```

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

Here you see how a box with a 4 pixel rgb(71, 65, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 65, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 65, 66);  
box-shadow:4px 4px 4px 4px rgb(71, 65, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 2.782, 6.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 65, 66) }
```

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

```
.background{ background-color: rgb(71, 65,  
66) }
```

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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