

Converting Colors

CIELCh(28, 2.181, 19.665)

Have a look what the booklet for
CIELCh(28, 2.181, 19.665) contains.

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Color

CIELCh(28, 2.258, 19.680)

Conversions

Conversions Part 1

Format	Color
Hex	464141
RGB	70, 65, 65
RGB Percent	27%, 25%, 25%
CMY	0.7257, 0.7453, 0.7453
CMYK	0.00, 0.07, 0.07, 0.73
HSL	0°, 4%, 26%
HSV	0°, 7%, 27%
XYZ	5.3635, 5.4574, 5.7653
YIQ	66.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

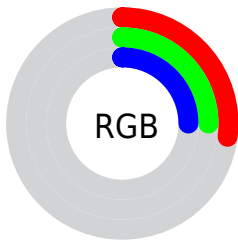
Format	Color
RYB	70, 65, 65
Decimal	4604225
CIELab	28.00, 2.13, 0.76
CIELCh	28, 2.258, 19.680
Yxy	5.4574, 0.3234, 0.3290
Android (android.graphics.Color)	4282794305 (0xFF464141)
YUV	66.4950, -0.7370, 3.0739
Hunter-Lab	23.3610, 0.1002, 1.7206

Details

The CIELCh color **28, 2.258, 19.680** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 2.169, 199.199**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 2.044, 19.466**, and **8, 2.117, 19.917** is the 20% darker color. If you saturate the color by 10%, you get **26, 5.609, 20.423**, and if you desaturate by 10%, it is **30, 0.869, 199.596**.

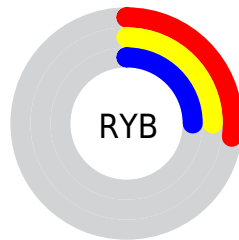
Distribution



Red (27%)

Green (25%)

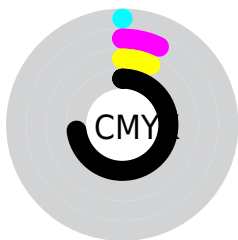
Blue (25%)



Red (27%)

Yellow (25%)

Blue (25%)

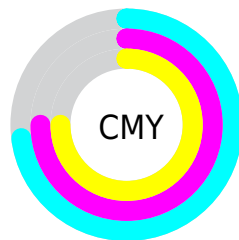


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (73%)



Cyan (73%)

Magenta (75%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 2.258, 19.680 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, 2.258, 19.680 by changing the saturation by 10% instead.

 28, 2.258, 19.680  28, 2.258, 19.680

 100, 2.258, 19.680  18, 2.258, 19.680

 48, 2.258, 19.680  8, 2.258, 19.680

 58, 2.258, 19.680  0, 2.258, 19.680

 68, 2.258, 19.680

 78, 2.258, 19.680

 88, 2.258, 19.680

 98, 2.258, 19.680

 28, 2.258, 19.680  28, 2.258, 19.680

 26, 5.609, 20.423  30, 0.869, 199.596

23, 9.192, 21.261	33, 3.785, 198.943
21, 13.003, 22.308	35, 6.509, 198.571
19, 17.017, 23.633	38, 9.060, 198.278
17, 21.186, 25.312	40, 11.455, 198.038
15, 25.431, 27.422	43, 13.714, 197.839
14, 29.393, 29.147	45, 15.850, 197.673
13, 32.488, 29.596	47, 17.879, 197.532
12, 35.356, 29.487	50, 19.812, 197.413

Harmonies

Complementary

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



28, 2.258, 19.680



29, 2.169, 199.199

Rectangle

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



28, 2.258, 19.680



28, 2.258, 69.680



28, 2.258, 199.680



28, 2.258, 249.680

Sweetspot

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



28, 2.257, 19.702



38, 0.778, 19.136



28, 3.935, 324.758



19, 0.436, 19.069



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, 2.257, 19.702



36, 3.589, 19.863



29, 1.954, 74.562



13, 1.799, 19.809



19, 49.398, 35.630



47, 95.754, 40.002

Inverse Universe

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



29, 2.169, 199.199



38, 3.406, 199.066



28, 1.930, 256.311



14, 1.715, 199.109



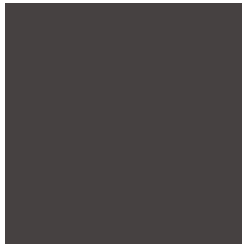
38, 25.113, 196.425



82, 45.872, 196.428

Previews

White Background



This preview shows how the CIELCh color 28, 2.258, 19.680 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, 2.258, 19.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

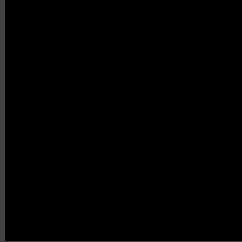
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 2.258, 19.680

Background



This preview shows how black text looks on a background with the CIELCh color 28, 2.258, 19.680.

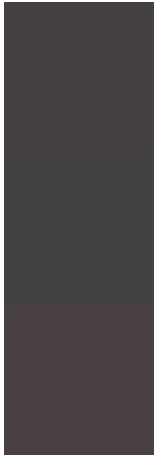


This preview shows how white text looks on a background with the CIELCh color 28, 2.258, 19.680.

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

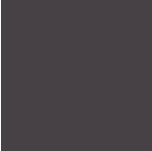
28, 2.258, 19.680

Protanopia

28, 0.779, 74.886

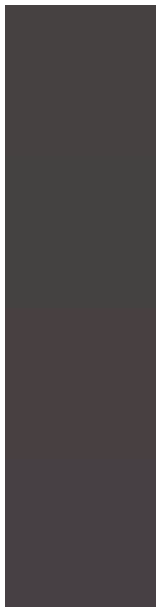
Deuteranopia

28, 4.142, 11.140



Tritanopia
28, 4.505, 334.269

Trichromacy



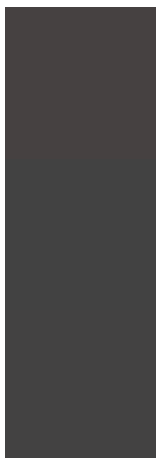
Original Color
28, 2.258, 19.680

Protanomaly
28, 1.099, 55.184

Deuteranomaly
28, 3.687, 9.927

Tritanomaly
28, 4.071, 340.631

Monochromacy



Original Color
28, 2.258, 19.680

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 0.446, 18.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 2.258, 19.680 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(70, 65, 65)` looks like.

```
.text, #text, p{  
    color:rgb(70, 65, 65)  
}
```

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(70, 65, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 65, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 2.258, 19.680 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(70, 65, 65) }
```

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

```
.border{ border-color:rgb(70, 65, 65) }
```

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

Here you see how a box with a 4 pixel rgb(70, 65, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 65, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 65, 65);  
box-shadow:4px 4px 4px 4px rgb(70, 65, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 2.258, 19.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 65, 65) }
```

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

```
.background{ background-color: rgb(70, 65,  
65) }
```

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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