

Converting Colors

CIELCh(28, 2.163, 35.549)

Have a look what the booklet for
CIELCh(28, 2.163, 35.549) contains.

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Color

CIELCh(28, 2.355, 35.545)

Conversions

Conversions Part 1

Format	Color
Hex	464140
RGB	70, 65, 64
RGB Percent	27%, 25%, 25%
CMY	0.7254, 0.7450, 0.7489
CMYK	0.00, 0.07, 0.09, 0.73
HSL	10°, 4%, 26%
HSV	10°, 9%, 27%
XYZ	5.3459, 5.4574, 5.6262
YIQ	66.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

Format	Color
RYB	70, 65, 64
Decimal	4604224
CIELab	28.00, 1.92, 1.37
CIELCh	28, 2.355, 35.545
Yxy	5.4574, 0.3254, 0.3322
Android (android.graphics.Color)	4282794304 (0xFF464140)
YUV	66.3810, -1.1738, 3.1739
Hunter-Lab	23.3610, -0.0342, 2.0735

Details

The CIELCh color **28, 2.355, 35.545** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 2.245, 215.915**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 2.127, 35.486**, and **8, 2.248, 38.563** is the 20% darker color. If you saturate the color by 10%, you get **26, 5.294, 35.670**, and if you desaturate by 10%, it is **30, 0.380, 216.410**.

Distribution



Red (27%)

Green (25%)

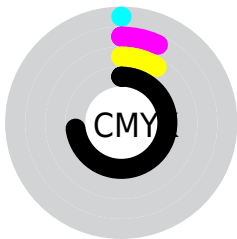
Blue (25%)



Red (27%)

Yellow (25%)

Blue (25%)



Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (73%)



Cyan (73%)

Magenta (75%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 2.355, 35.545 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, 2.355, 35.545 by changing the saturation by 10% instead.

 28, 2.355, 35.545  28, 2.355, 35.545

 100, 2.355, 35.545  18, 2.355, 35.545

 48, 2.355, 35.545  8, 2.355, 35.545

 58, 2.355, 35.545  0, 2.355, 35.545

 68, 2.355, 35.545

 78, 2.355, 35.545

 88, 2.355, 35.545

 98, 2.355, 35.545

 28, 2.355, 35.545  28, 2.355, 35.545

 26, 5.294, 35.670  30, 0.380, 216.410

24, 8.455, 35.834	32, 2.928, 215.923
22, 11.847, 36.124	34, 5.308, 216.040
20, 15.473, 36.576	36, 7.536, 216.219
19, 19.324, 37.225	38, 9.630, 216.431
17, 23.367, 38.094	40, 11.605, 216.664
15, 27.239, 38.413	42, 13.474, 216.911
14, 30.362, 37.377	44, 15.249, 217.168
13, 33.127, 36.810	47, 16.941, 217.429

Harmonies

Complementary

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



28, 2.355, 35.545



29, 2.245, 215.915

Rectangle

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



28, 2.355, 35.545



28, 2.355, 85.545



28, 2.355, 215.545



28, 2.355, 265.545

Sweetspot

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



28, 2.355, 35.570



38, 1.011, 35.387



28, 4.210, 329.816



18, 0.757, 35.431



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, 2.355, 35.570



36, 3.463, 35.590



29, 2.715, 90.144



13, 1.556, 35.571



20, 46.939, 40.704



49, 92.424, 42.294

Inverse Universe

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



29, 2.245, 215.915



38, 3.266, 215.923



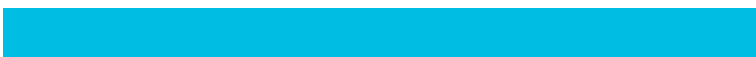
28, 2.717, 272.145



13, 1.483, 215.915



32, 21.830, 226.257



71, 39.877, 228.814

Previews

White Background



This preview shows how the CIELCh color 28, 2.355, 35.545 looks on a white background.

Color Contrast Check

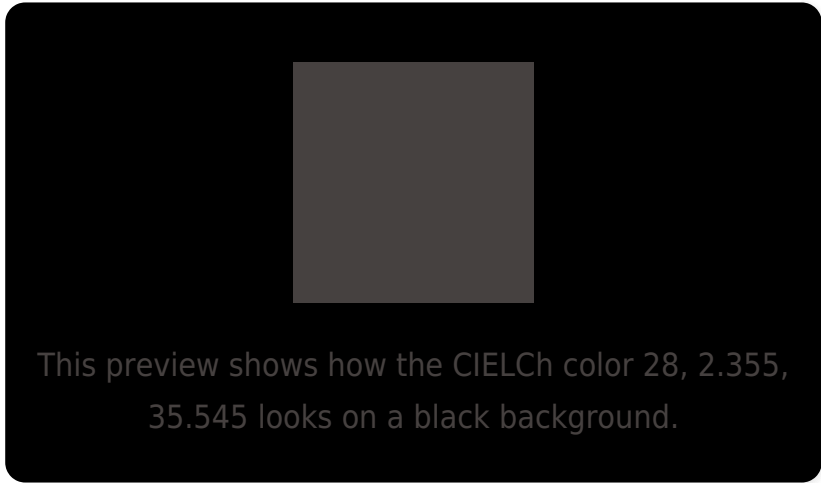
Large Text (above 18pt) WCAG AA ✓ Pass

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

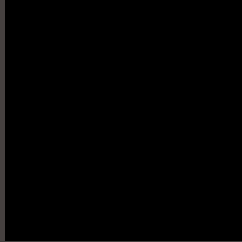
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 2.355, 35.545

Background



This preview shows how black text looks on a background with the CIELCh color 28, 2.355, 35.545.



This preview shows how white text looks on a background with the CIELCh color 28, 2.355, 35.545.

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

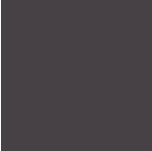
28, 2.355, 35.545

Protanopia

28, 1.566, 74.682

Deuteranopia

28, 4.110, 20.056



Tritanopia
28, 4.505, 334.269

Trichromacy



Original Color

28, 2.355, 35.545

Protanomaly

28, 1.864, 63.133

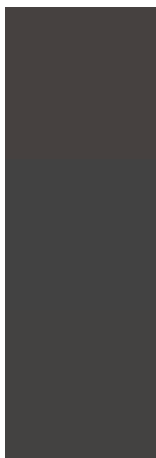
Deuteranomaly

28, 3.646, 19.968

Tritanomaly

28, 3.700, 348.411

Monochromacy



Original Color

28, 2.355, 35.545

Achromatopsia

28, 0.004, 296.813

Achromatomaly

28, 0.779, 74.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 2.355, 35.545 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, 64)` looks like.

```
.text, #text, p{  
  color:rgb(70, 65, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 65, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 2.355, 35.545 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, 64) }
```

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

```
.border{ border-color:rgb(70, 65, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 65, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 65, 64);  
box-shadow:4px 4px 4px 4px rgb(70, 65, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 2.355, 35.545 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, 64) }
```

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

```
.background{ background-color: rgb(70, 65,  
64) }
```

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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