

Converting Colors

CIELCh(70, 0.579, 232.737)

Have a look what the booklet for
CIELCh(70, 0.579, 232.737) contains.

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Color

CIELCh(70, 0.665, 256.050)

Conversions

Conversions Part 1

Format	Color
Hex	AAABAC
RGB	170, 171, 172
RGB Percent	67%, 67%, 67%
CMY	0.3326, 0.3287, 0.3247
CMYK	0.01, 0.01, 0.00, 0.32
HSL	210°, 1%, 67%
HSV	210°, 1%, 68%
XYZ	38.6809, 40.7494, 44.9511
YIQ	170.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

Format	Color
RYB	170, 171, 172
Decimal	11185068
CIELab	70.00, -0.16, -0.65
CIELCh	70, 0.665, 256.050
Yxy	40.7494, 0.3110, 0.3276
Android (android.graphics.Color)	4289375148 (0xFFAAABAC)
YUV	170.8150, 0.5842, -0.7148
Hunter-Lab	63.8353, -3.5500, 2.9343

Details

The CIELCh color $70, 0.665, 256.050$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 0.653, 74.618$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 0.633, 256.163$, and $50, 0.708, 255.968$ is the 20% darker color. If you saturate the color by 10%, you get $66, 6.302, 256.759$, and if you desaturate by 10%, it is $74, 5.010, 74.214$.

Distribution



Red (67%)

Green (67%)

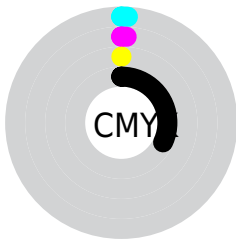
Blue (67%)



Red (67%)

Yellow (67%)

Blue (67%)

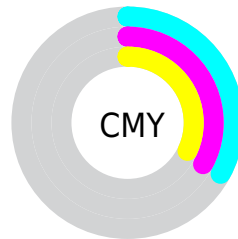


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (32%)



Cyan (33%)

Magenta (33%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 0.665, 256.050 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 70, 0.665, 256.050 by changing the saturation by 10% instead.

■ 70, 0.665, 256.050

■ 70, 0.665, 256.050

100, 0.665,
256.050

■ 60, 0.665, 256.050

■ 90, 0.665, 256.050

■ 50, 0.665, 256.050

■ 40, 0.665, 256.050

■ 30, 0.665, 256.050

■ 20, 0.665, 256.050

■ 10, 0.665, 256.050

■ 0, 0.665, 256.050

■ 70, 0.665, 256.050

■ 70, 0.665, 256.050

■ 66, 6.302, 256.759

■ 74, 5.010, 74.214

63, 11.881,
258.283

77, 10.700, 73.293

59, 17.380,
260.112

81, 16.390, 72.478

85, 22.064, 71.766

56, 22.779,
262.291

88, 27.389, 71.981

52, 28.070,
264.878

90, 29.178, 82.005

92, 31.752, 90.567

49, 33.257,
267.922

95, 34.921, 97.633

46, 38.373,
271.452

97, 38.517,
103.375

43, 43.477,
275.444

40, 48.652,
279.803

Harmonies

Complementary

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



70, 0.665, 256.050



70, 0.653, 74.618

Rectangle

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



70, 0.665, 256.050



70, 0.665, 306.050



70, 0.665, 76.050



70, 0.665, 126.050

Sweetspot

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



70, 0.664, 255.893



89, 0.011, 296.813



70, 0.940, 163.053



47, 0.006, 296.813



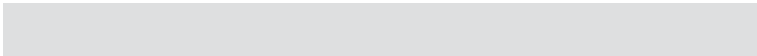
95, 0.011, 296.813

Same Dimension

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



70, 0.664, 255.893



89, 0.710, 255.945



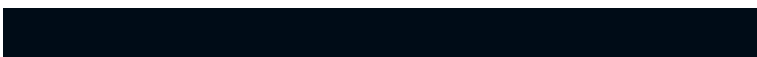
70, 1.085, 289.680



37, 0.326, 255.987



33, 47.812, 283.134



3, 7.373, 264.386

Inverse Universe

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



70, 0.943, 343.281



89, 1.008, 343.215



70, 1.065, 109.341



37, 0.463, 343.167



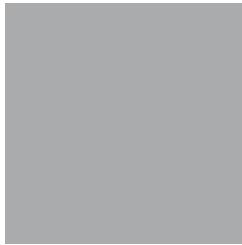
32, 57.264, 1.112



2, 9.144, 348.724

Previews

White Background



This preview shows how the CIELCh color 70, 0.665, 256.050 looks on a white background.

Color Contrast Check

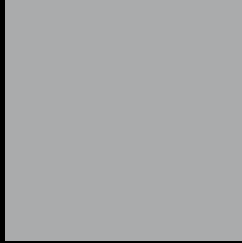
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 0.665, 256.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

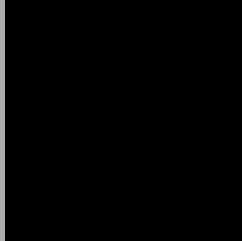
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

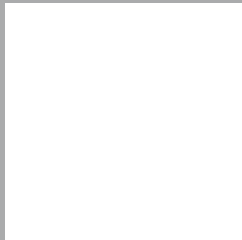
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 0.665, 256.050

Background



This preview shows how black text looks on a background with the CIELCh color 70, 0.665, 256.050.



This preview shows how white text looks on a background with the CIELCh color 70, 0.665, 256.050.

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

70, 0.665, 256.050

Protanopia

70, 1.877, 343.640

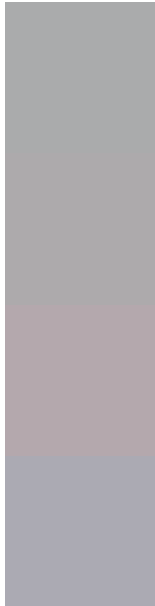
Deuteranopia

70, 8.531, 353.543



Tritanopia
70, 7.174, 296.745

Trichromacy



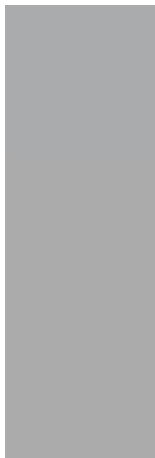
Original Color
70, 0.665, 256.050

Protanomaly
70, 1.588, 335.587

Deuteranomaly
70, 5.321, 348.907

Tritanomaly
70, 4.955, 294.950

Monochromacy



Original Color
70, 0.665, 256.050

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 0.665, 256.050 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(170, 171, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 172)  
}
```

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(170, 171, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 0.665, 256.050 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(170, 171, 172) }
```

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

```
.border{ border-color:rgb(170, 171, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 0.665, 256.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 172) }
```

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

```
.background{ background-color: rgb(170,  
171, 172) }
```

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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