

Converting Colors

CIELCh(48, 9.771, 255.969)

Have a look what the booklet for
CIELCh(48, 9.771, 255.969) contains.

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Color

CIELCh(48, 9.813, 256.618)

Conversions

Conversions Part 1

Format	Color
Hex	657482
RGB	101, 116, 130
RGB Percent	40%, 45%, 51%
CMY	0.6048, 0.5460, 0.4911
CMYK	0.22, 0.11, 0.00, 0.49
HSL	209°, 13%, 45%
HSV	209°, 22%, 51%
XYZ	15.5716, 16.7945, 23.4549
YIQ	113.1110, -13.4340, 1.1740

Conversions

Conversions Part 2

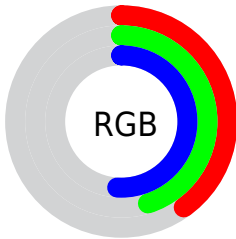
Format	Color
R_{YB}	101, 111, 130
Decimal	6648962
CIE _{Lab}	48.00, -2.27, -9.55
CIE _{LCh}	48, 9.813, 256.618
Yxy	16.7945, 0.2790, 0.3009
Android (android.graphics.Color)	4284839042 (0xFF657482)
YUV	113.1110, 8.3263, -10.6213
Hunter-Lab	40.9810, -3.8920, -5.2471

Details

The CIELCh color **48, 9.813, 256.618** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 10.455, 70.904**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 9.896, 255.981**, and **28, 10.034, 256.315** is the 20% darker color. If you saturate the color by 10%, you get **45, 14.089, 258.399**, and if you desaturate by 10%, it is **51, 5.458, 255.120**.

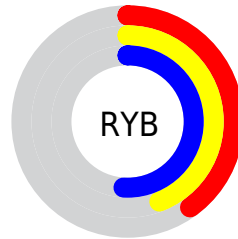
Distribution



Red (40%)

Green (45%)

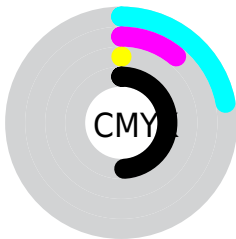
Blue (51%)



Red (40%)

Yellow (44%)

Blue (51%)

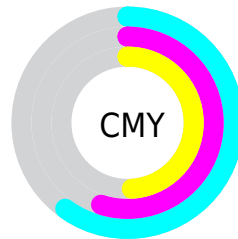


Cyan (22%)

Magenta (11%)

Yellow (0%)

Black (49%)



Cyan (60%)

Magenta (55%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.813, 256.618 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 48, 9.813, 256.618 by changing the saturation by 10% instead.

■ 48, 9.813, 256.618

■ 48, 9.813, 256.618

■ 100, 9.813,
256.618

■ 38, 9.813, 256.618

■ 68, 9.813, 256.618

■ 28, 9.813, 256.618

■ 78, 9.813, 256.618

■ 18, 9.813, 256.618

■ 88, 9.813, 256.618

■ 8, 9.813, 256.618

■ 98, 9.813, 256.618

■ 0, 9.813, 256.618

■ 48, 9.813, 256.618

■ 48, 9.813, 256.618

■ 45, 14.089,
258.399

■ 51, 5.458, 255.120

■ 43, 18.271,

■ 54, 1.046, 254.052

260.526

56, 3.408, 72.613

40, 22.350,
263.047

59, 7.884, 71.723

37, 26.327,
266.013

62, 12.370, 70.928

35, 30.225,
269.454

65, 16.853, 70.232

32, 34.087,
273.357

71, 25.770, 69.080

30, 37.978,
277.642

74, 30.190, 68.600

28, 41.064,
280.815

Harmonies

Complementary

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



48, 9.813, 256.618



49, 10.455, 70.904

Rectangle

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



48, 9.813, 256.618



48, 9.813, 306.618



48, 9.813, 76.618



48, 9.813, 126.618

Sweetspot

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



48, 9.812, 256.613



67, 3.842, 254.466



52, 14.624, 160.050



34, 2.484, 254.517



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 9.812, 256.613



60, 14.606, 257.516



44, 16.815, 291.331



25, 2.462, 254.697



28, 40.480, 280.726



0, 0.000, 0.000

Inverse Universe

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



46, 14.807, 344.587



57, 22.200, 345.099



53, 16.050, 106.681



25, 3.636, 343.396



27, 51.037, 358.978



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 9.813, 256.618 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 × Fail

Black Background



This preview shows how the CIE LCh color 48, 9.813, 256.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

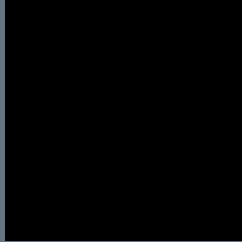
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

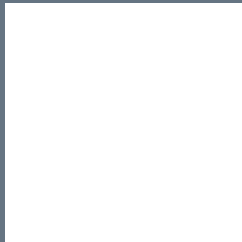
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 9.813, 256.618

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.813, 256.618.



This preview shows how white text looks on a background with the CIELCh color 48, 9.813, 256.618.

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

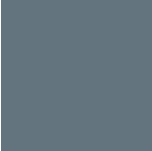
48, 9.813, 256.618

Protanopia

48, 8.852, 288.878

Deuteranopia

48, 12.076, 302.704



Tritanopia
48, 8.303, 244.417

Trichromacy



Original Color
48, 9.813, 256.618

Protanomaly
48, 9.080, 276.850

Deuteranomaly
48, 10.631, 287.509

Tritanomaly
48, 8.701, 247.403

Monochromacy



Original Color
48, 9.813, 256.618

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.517, 256.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.813, 256.618 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(101, 116, 130)` looks like.

```
.text, #text, p{  
    color:rgb(101, 116, 130)  
}
```

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(101, 116, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 116, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.813, 256.618 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(101, 116, 130) }
```

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

```
.border{ border-color:rgb(101, 116, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 116, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 116, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 116, 130);  
box-shadow:4px 4px 4px 4px rgb(101, 116,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.813, 256.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 116, 130) }
```

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

```
.background{ background-color: rgb(101,  
116, 130) }
```

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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