

Converting Colors

CIELCh(49, 12.259, 265.151)

Have a look what the booklet for
CIELCh(49, 12.259, 265.151)
contains.

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Color

CIELCh(49, 12.259, 265.151)

Conversions

Conversions Part 1

Format	Color
Hex	677689
RGB	103, 118, 137
RGB Percent	40%, 46%, 54%
CMY	0.5967, 0.5379, 0.4634
CMYK	0.25, 0.14, 0.00, 0.46
HSL	214°, 14%, 47%
HSV	214°, 25%, 54%
XYZ	16.5378, 17.5941, 26.1286
YIQ	115.6810, -15.0390, 2.7290

Conversions

Conversions Part 2

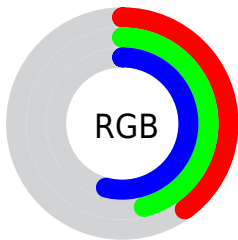
Format	Color
R_{YB}	103, 113, 137
Decimal	6780553
CIE Lab	49.00, -1.04, -12.22
CIE LCh	49, 12.259, 265.151
Yxy	17.5941, 0.2744, 0.2920
Android (android.graphics.Color)	4284970633 (0xFF677689)
YUV	115.6810, 10.5103, -11.1212
Hunter-Lab	41.9453, -3.0271, -7.5714

Details

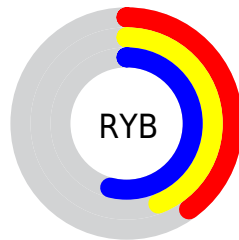
The CIELCh color $49, 12.259, 265.151$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 12.779, 78.396$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 12.042, 265.392$, and $29, 12.106, 264.281$ is the 20% darker color. If you saturate the color by 10%, you get $46, 17.177, 267.056$, and if you desaturate by 10%, it is $52, 7.327, 263.529$.

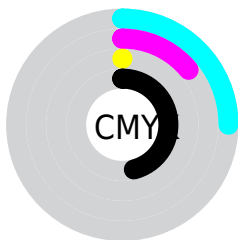
Distribution



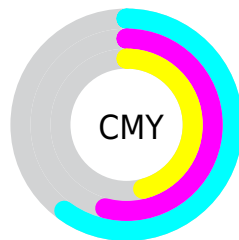
- Red (40%)
- Green (46%)
- Blue (54%)



- Red (40%)
- Yellow (44%)
- Blue (54%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)
- Black (46%)





- Cyan (60%)
- Magenta (54%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 12.259, 265.151 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 49, 12.259, 265.151 by changing the saturation by 10% instead.


 49, 12.259,
265.151


 49, 12.259,
265.151


 100, 12.259,
265.151


 39, 12.259,
265.151

 69, 12.259,
265.151


 29, 12.259,
265.151

 79, 12.259,
265.151

 19, 12.259,
265.151

 89, 12.259,
265.151

 9, 12.259, 265.151

 99, 12.259,
265.151

 0, 12.259, 265.151

 49, 12.259,

 49, 12.259,

265.151

■ 46, 17.177,
267.056

■ 43, 22.080,
269.299

■ 40, 26.971,
271.922

■ 37, 31.866,
274.958

■ 34, 36.800,
278.409

■ 31, 41.818,
282.224

■ 28, 46.964,
286.261

■ 27, 49.697,
288.199

265.151

■ 52, 7.327, 263.529

■ 55, 2.393, 262.203

■ 59, 2.533, 80.807

■ 62, 7.441, 79.835

■ 65, 12.321, 78.948

■ 68, 17.166, 78.165

■ 72, 21.968, 77.472

■ 75, 26.723, 76.857

■ 78, 31.426, 76.306

Harmonies

Complementary

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



49, 12.259, 265.151



52, 12.779, 78.396

Rectangle

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



49, 12.259, 265.151



49, 12.259, 315.151



49, 12.259, 85.151



49, 12.259, 135.151

Sweetspot

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



49, 12.258, 265.147



70, 4.295, 262.474



54, 15.918, 164.221



36, 2.780, 262.532



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 12.258, 265.147



61, 18.382, 266.221



45, 20.357, 294.703



27, 2.801, 262.731



26, 48.427, 288.063



1, 1.300, 261.507

Inverse Universe

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



47, 16.449, 349.228



58, 24.783, 349.880



56, 19.241, 110.010



27, 3.688, 347.666



27, 51.952, 6.194



0, 1.691, 346.939

Previews

White Background



This preview shows how the CIE LCh color 49, 12.259, 265.151 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 CIELCh color 49, 12.259, 265.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

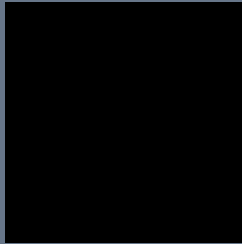
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

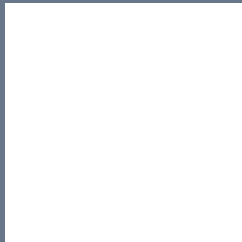
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 12.259, 265.151

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.259, 265.151.



This preview shows how white text looks on a background with the CIELCh color 49, 12.259, 265.151.

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

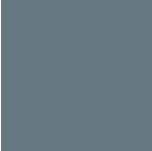
49, 12.259, 265.151

Protanopia

49, 11.769, 288.068

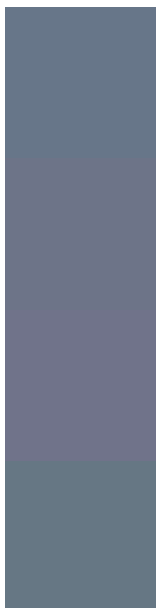
Deuteranopia

49, 14.185, 296.549



Tritanopia
49, 8.791, 241.000

Trichromacy



Original Color
49, 12.259, 265.151

Protanomaly
49, 11.970, 279.203

Deuteranomaly
49, 13.544, 287.246

Tritanomaly
49, 9.737, 250.855

Monochromacy



Original Color
49, 12.259, 265.151

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.686, 260.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 12.259, 265.151 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(103, 118, 137)` looks like.

```
.text, #text, p{  
    color:rgb(103, 118, 137)  
}
```

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(103, 118, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 118, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.259, 265.151 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(103, 118, 137) }
```

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

```
.border{ border-color:rgb(103, 118, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 118, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 118, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 118, 137); box-shadow:4px 4px 4px 4px rgb(103, 118, 137) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.259, 265.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 118, 137) }
```

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

```
.background{ background-color: rgb(103,  
118, 137) }
```

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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