

Converting Colors

CIELCh(51, 12.263, 283.009)

Have a look what the booklet for
CIELCh(51, 12.263, 283.009)
contains.

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Color

CIELCh(51, 12.337, 283.125)

Conversions

Conversions Part 1

Format	Color
Hex	74798E
RGB	116, 121, 142
RGB Percent	45%, 47%, 56%
CMY	0.5459, 0.5263, 0.4440
CMYK	0.18, 0.15, 0.00, 0.44
HSL	228°, 10%, 51%
HSV	228°, 18%, 56%
XYZ	18.8524, 19.2686, 28.2311
YIQ	121.8990, -9.7210, 5.4710

Conversions

Conversions Part 2

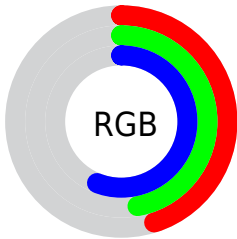
Format	Color
R_{YB}	116, 120, 142
Decimal	7633294
CIE _{Lab}	51.00, 2.80, -12.01
CIE _{LCh}	51, 12.337, 283.125
Yxy	19.2686, 0.2841, 0.2904
Android (android.graphics.Color)	4285823374 (0xFF74798E)
YUV	121.8990, 9.9098, -5.1734
Hunter-Lab	43.8960, -0.1561, -7.4042

Details

The CIELCh color $51, 12.337, 283.125$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $57, 12.084, 98.820$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 12.650, 283.406$, and $31, 12.245, 281.411$ is the 20% darker color. If you saturate the color by 10%, you get $47, 19.349, 284.641$, and if you desaturate by 10%, it is $55, 5.530, 281.825$.

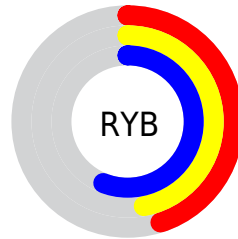
Distribution



Red (45%)

Green (47%)

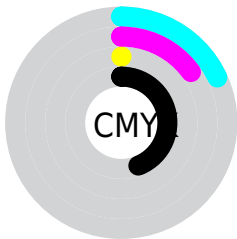
Blue (56%)



Red (45%)

Yellow (47%)

Blue (56%)

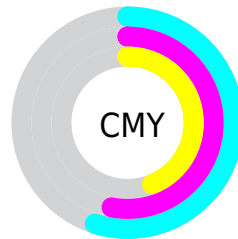


Cyan (18%)

Magenta (15%)

Yellow (0%)

Black (44%)



Cyan (55%)


Magenta (53%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 12.337, 283.125 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 51, 12.337, 283.125 by changing the saturation by 10% instead.


 51, 12.337,
283.125


 51, 12.337,
283.125


 100, 12.337,
283.125


 41, 12.337,
283.125


 71, 12.337,
283.125

 31, 12.337,
283.125

 81, 12.337,
283.125

 21, 12.337,
283.125

 91, 12.337,
283.125

 11, 12.337,
283.125

 1, 12.337, 283.125

 0, 12.337, 283.125

■ 51, 12.337,
283.125

■ 51, 12.337,
283.125

■ 47, 19.349,
284.641

■ 55, 5.530, 281.825

■ 42, 26.587,
286.412

■ 60, 1.083, 100.567

■ 64, 7.515, 99.686

■ 38, 34.073,
288.463

■ 68, 13.777, 98.846

■ 34, 41.823,
290.811

■ 72, 19.875, 98.107

■ 77, 25.818, 97.456

■ 30, 49.827,
293.438

■ 81, 31.612, 96.880

■ 26, 58.004,
296.268

■ 85, 37.263, 96.368

■ 89, 42.778, 95.909

■ 22, 66.106,
299.144

■ 19, 73.661,

301.762

■ 19, 74.834,
302.128

Harmonies

Complementary

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



51, 12.337, 283.125



57, 12.084, 98.820

Rectangle

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



51, 12.337, 283.125



51, 12.337, 333.125



51, 12.337, 103.125



51, 12.337, 153.125

Sweetspot

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



51, 12.336, 283.122



72, 4.083, 281.457



57, 10.326, 181.677



37, 2.777, 281.525



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 12.336, 283.122



63, 18.390, 283.721



50, 15.554, 302.917



28, 3.773, 281.927



18, 71.991, 302.008



0, 2.519, 280.856

Inverse Universe

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



51, 11.064, 5.571



63, 16.560, 6.056



58, 15.032, 120.780



28, 3.348, 4.585



27, 57.502, 28.475



0, 2.210, 3.827

Previews

White Background



This preview shows how the CIELCh color 51, 12.337, 283.125 looks on a white background.

Color Contrast Check

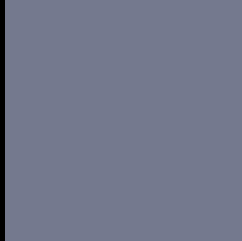
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 12.337, 283.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

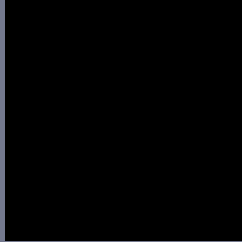
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

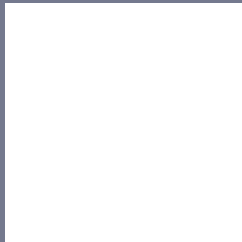
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 12.337, 283.125

Background



This preview shows how black text looks on a background with the CIELCh color 51, 12.337, 283.125.



This preview shows how white text looks on a background with the CIELCh color 51, 12.337, 283.125.

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

51, 12.337, 283.125

Protanopia

51, 12.283, 286.539

Deuteranopia

51, 14.185, 299.525



Tritanopia
51, 6.516, 263.030

Trichromacy



Original Color
51, 12.337, 283.125

Protanomaly
51, 12.283, 286.539

Deuteranomaly
51, 13.447, 293.470

Tritanomaly
51, 8.513, 273.179

Monochromacy



Original Color
51, 12.337, 283.125

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.139, 279.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 12.337, 283.125 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(116, 121, 142)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 142)  
}
```

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(116, 121, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 12.337, 283.125 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(116, 121, 142) }
```

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

```
.border{ border-color:rgb(116, 121, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 121, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 121, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 121, 142);  
box-shadow:4px 4px 4px 4px rgb(116, 121,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 12.337, 283.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 142) }
```

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

```
.background{ background-color: rgb(116,  
121, 142) }
```

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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