

Converting Colors

CIELCh(51, 16.045, 286.838)

Have a look what the booklet for
CIELCh(51, 16.045, 286.838)
contains.

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Color

CIELCh(51, 15.783, 286.901)

Conversions

Conversions Part 1

Format	Color
Hex	747893
RGB	116, 120, 147
RGB Percent	45%, 47%, 58%
CMY	0.5449, 0.5292, 0.4233
CMYK	0.21, 0.18, 0.00, 0.42
HSL	232°, 13%, 52%
HSV	232°, 21%, 58%
XYZ	19.2011, 19.2686, 30.3309
YIQ	121.8820, -11.0510, 7.5490

Conversions

Conversions Part 2

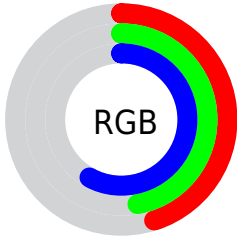
Format	Color
R _Y B	116, 120, 147
Decimal	7633043
CIE Lab	51.00, 4.59, -15.10
CIE LCh	51, 15.783, 286.901
Yxy	19.2686, 0.2791, 0.2801
Android (android.graphics.Color)	4285823123 (0xFF747893)
YUV	121.8820, 12.3832, -5.1585
Hunter-Lab	43.8960, 1.2619, -10.2404

Details

The CIELCh color $51, 15.783, 286.901$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 15.267, 102.128$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 15.883, 286.707$, and $31, 15.350, 285.845$ is the 20% darker color. If you saturate the color by 10%, you get $46, 23.675, 288.424$, and if you desaturate by 10%, it is $56, 8.161, 285.597$.

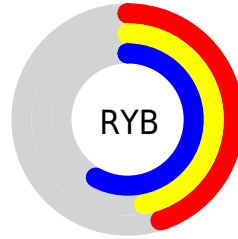
Distribution



Red (45%)

Green (47%)

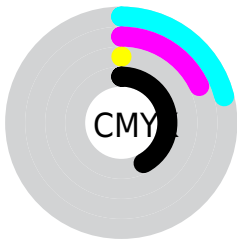
Blue (58%)



Red (45%)

Yellow (47%)

Blue (58%)

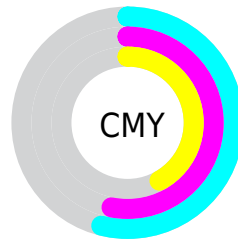


Cyan (21%)

Magenta (18%)

Yellow (0%)

Black (42%)



Cyan (54%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 15.783, 286.901 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, 15.783, 286.901 by changing the saturation by 10% instead.

■ 51, 15.783,
286.901

■ 51, 15.783,
286.901

■ 100, 15.783,
286.901

■ 41, 15.783,
286.901

■ 71, 15.783,
286.901

■ 31, 15.783,
286.901

■ 81, 15.783,
286.901

■ 21, 15.783,
286.901

■ 91, 15.783,
286.901

■ 11, 15.783,
286.901

■ 1, 15.783, 286.901

■ 0, 15.783, 286.901

■ 51, 15.783,
286.901

■ 51, 15.783,
286.901

■ 46, 23.675,
288.424

■ 56, 8.161, 285.597

■ 42, 31.862,
290.200

■ 60, 0.790, 284.584

■ 65, 6.347, 103.483

■ 37, 40.362,
292.250

■ 70, 13.267,
102.657

■ 32, 49.169,
294.570

■ 74, 19.983,
101.935

■ 28, 58.198,
297.110

■ 79, 26.505,
101.303

■ 24, 67.194,
299.738

■ 84, 32.844,
100.748

■ 21, 75.588,
302.230

■ 88, 39.009,
100.258

■ 18, 81.895,

304.017



92, 45.009, 99.822

Harmonies

Complementary

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



51, 15.783, 286.901



59, 15.267, 102.128

Rectangle

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



51, 15.783, 286.901



51, 15.783, 336.901



51, 15.783, 106.901



51, 15.783, 156.901

Sweetspot

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



51, 15.782, 286.899



74, 5.435, 285.029



59, 11.793, 186.789



39, 3.636, 285.092



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



51, 15.782, 286.899



63, 23.365, 287.546



51, 18.674, 305.446



29, 4.168, 285.376



17, 77.737, 303.893



0, 3.596, 284.353

Inverse Universe

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



52, 13.028, 10.764



64, 19.382, 11.297



59, 18.012, 123.210



29, 3.386, 9.509



28, 60.771, 32.975



1, 2.885, 8.800

Previews

White Background



This preview shows how the CIELCh color 51, 15.783, 286.901 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, 15.783, 286.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

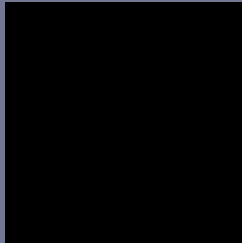
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 15.783, 286.901

Background



This preview shows how black text looks on a background with the CIELCh color 51, 15.783, 286.901.



This preview shows how white text looks on a background with the CIELCh color 51, 15.783, 286.901.

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

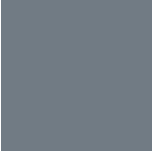
51, 15.783, 286.901

Protanopia

51, 15.812, 285.608

Deuteranopia

51, 16.358, 293.520



Tritanopia
51, 6.402, 254.388

Trichromacy



Original Color
51, 15.783, 286.901

Protanomaly
51, 15.812, 285.608

Deuteranomaly
51, 16.349, 292.244

Tritanomaly
51, 9.169, 272.221

Monochromacy



Original Color
51, 15.783, 286.901

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 5.838, 287.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 15.783, 286.901 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, 120, 147)` looks like.

```
.text, #text, p{  
    color:rgb(116, 120, 147)  
}
```

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, 120, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 120, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 15.783, 286.901 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, 120, 147) }
```

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

```
.border{ border-color:rgb(116, 120, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 120, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 120, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 120, 147); box-shadow:4px 4px 4px 4px rgb(116, 120, 147) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 15.783, 286.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 120, 147) }
```

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

```
.background{ background-color: rgb(116,  
120, 147) }
```

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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