

Converting Colors

CIELCh(52, 12.838, 249.536)

Have a look what the booklet for
CIELCh(52, 12.838, 249.536)
contains.

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Color

CIELCh(52, 12.826, 249.505)

Conversions

Conversions Part 1

Format	Color
Hex	677F90
RGB	103, 127, 144
RGB Percent	40%, 50%, 56%
CMY	0.5953, 0.5012, 0.4345
CMYK	0.28, 0.12, 0.00, 0.43
HSL	205°, 17%, 49%
HSV	205°, 28%, 57%
XYZ	18.2799, 20.1443, 29.3912
YIQ	121.7620, -19.7610, 0.1990

Conversions

Conversions Part 2

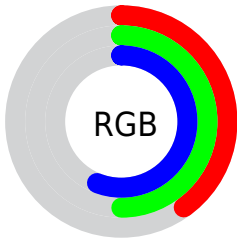
Format	Color
R_{YB}	103, 118, 144
Decimal	6782864
CIE _{Lab}	52.00, -4.49, -12.01
CIE _{LCh}	52, 12.826, 249.505
Yxy	20.1443, 0.2696, 0.2970
Android (android.graphics.Color)	4284972944 (0xFF677F90)
YUV	121.7620, 10.9633, -16.4543
Hunter-Lab	44.8824, -5.8439, -7.4083

Details

The CIELCh color `52, 12.826, 249.505` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `52, 14.415, 62.739`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 12.834, 248.992`, and `32, 13.067, 249.945` is the 20% darker color. If you saturate the color by 10%, you get `49, 17.041, 251.400`, and if you desaturate by 10%, it is `55, 8.438, 247.937`.

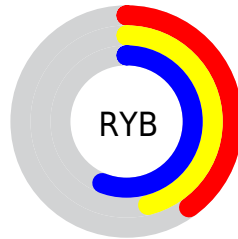
Distribution



Red (40%)

Green (50%)

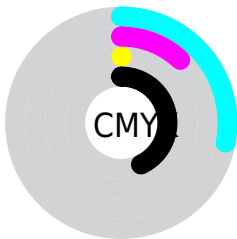
Blue (56%)



Red (40%)

Yellow (46%)

Blue (56%)

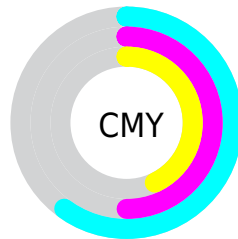


Cyan (28%)

Magenta (12%)

Yellow (0%)

Black (43%)



Cyan (60%)

Magenta (50%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 12.826, 249.505 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 52, 12.826, 249.505 by changing the saturation by 10% instead.

■ 52, 12.826,
249.505

■ 52, 12.826,
249.505

■ 100, 12.826,
249.505

■ 42, 12.826,
249.505

■ 72, 12.826,
249.505

■ 32, 12.826,
249.505

■ 82, 12.826,
249.505

■ 22, 12.826,
249.505

■ 92, 12.826,
249.505

■ 12, 12.826,
249.505

■ 2, 12.826, 249.505

■ 0, 12.826, 249.505

■ 52, 12.826,
249.505

■ 52, 12.826,
249.505

■ 49, 17.041,
251.400

■ 55, 8.438, 247.937

■ 58, 3.911, 246.674

■ 47, 21.059,
253.697

■ 60, 0.726, 65.027

■ 44, 24.862,
256.459

■ 63, 5.444, 64.518

■ 42, 28.455,
259.745

■ 66, 10.219, 63.774

■ 69, 15.031, 63.128

■ 39, 31.871,
263.584

■ 72, 19.860, 62.570

■ 37, 35.179,
267.945

■ 75, 24.694, 62.088

■ 78, 29.521, 61.666

■ 35, 38.510,
272.568

■ 35, 39.051,

Harmonies

Complementary

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



52, 12.826, 249.505



52, 14.415, 62.739

Rectangle

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



52, 12.826, 249.505



52, 12.826, 299.505



52, 12.826, 69.505



52, 12.826, 119.505

Sweetspot

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



52, 12.825, 249.501



73, 5.190, 246.758



56, 21.317, 156.273



38, 3.589, 246.909



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 12.825, 249.501



65, 18.897, 250.652



46, 21.935, 289.367



29, 2.594, 246.755



33, 37.073, 272.920



1, 1.771, 245.667

Inverse Universe

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



49, 21.535, 341.607



60, 32.062, 342.206



58, 20.834, 102.874



28, 4.189, 339.962



29, 54.425, 353.257



1, 2.804, 339.320

Previews

White Background



This preview shows how the CIELCh color 52, 12.826, 249.505 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 52, 12.826, 249.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

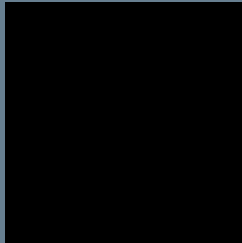
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

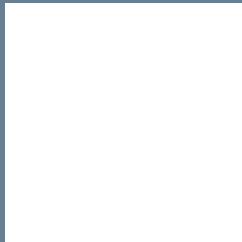
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 12.826, 249.505

Background



This preview shows how black text looks on a background with the CIELCh color 52, 12.826, 249.505.



This preview shows how white text looks on a background with the CIELCh color 52, 12.826, 249.505.

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

52, 12.826, 249.505

Protanopia

52, 10.473, 287.388

Deuteranopia

52, 14.653, 297.800



Tritanopia
52, 10.924, 230.904

Trichromacy



Original Color
52, 12.826, 249.505

Protanomaly
52, 10.441, 270.697

Deuteranomaly
52, 12.923, 281.983

Tritanomaly
52, 11.490, 236.202

Monochromacy



Original Color
52, 12.826, 249.505

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.861, 245.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 12.826, 249.505 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, 127, 144)` looks like.

```
.text, #text, p{  
    color:rgb(103, 127, 144)  
}
```

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, 127, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 127, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 12.826, 249.505 is called "border". The border property can be set on classes, ids or directly on the HTML element.

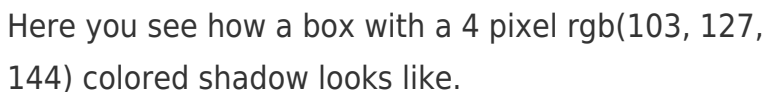
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 127, 144) }
```

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

```
.border{ border-color:rgb(103, 127, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 127, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 127, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 127, 144);  
box-shadow:4px 4px 4px 4px rgb(103, 127,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 12.826, 249.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 127, 144) }
```

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

```
.background{ background-color: rgb(103,  
127, 144) }
```

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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