

Converting Colors

CIELCh(52, 12.900, 291.203)

Have a look what the booklet for
CIELCh(52, 12.900, 291.203)
contains.

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Color

CIELCh(52, 12.797, 291.781)

Conversions

Conversions Part 1

Format	Color
Hex	7A7A90
RGB	122, 122, 144
RGB Percent	48%, 48%, 56%
CMY	0.5207, 0.5207, 0.4344
CMYK	0.15, 0.15, 0.00, 0.43
HSL	240°, 9%, 52%
HSV	240°, 15%, 57%
XYZ	20.0923, 20.1443, 29.3021
YIQ	124.5080, -7.0620, 6.8420

Conversions

Conversions Part 2

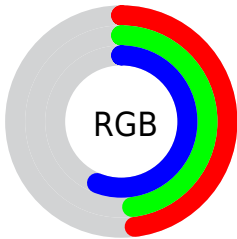
Format	Color
R_{YB}	122, 122, 144
Decimal	8026768
CIE Lab	52.00, 4.75, -11.88
CIE LCh	52, 12.797, 291.781
Yxy	20.1443, 0.2889, 0.2897
Android (android.graphics.Color)	4286216848 (0xFF7A7A90)
YUV	124.5080, 9.6096, -2.1995
Hunter-Lab	44.8824, 1.3639, -7.2906

Details

The CIELCh color $52, 12.797, 291.781$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $59, 12.370, 108.746$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 13.101, 293.000$, and $32, 13.341, 292.531$ is the 20% darker color. If you saturate the color by 10%, you get $47, 21.612, 293.058$, and if you desaturate by 10%, it is $57, 4.328, 290.695$.

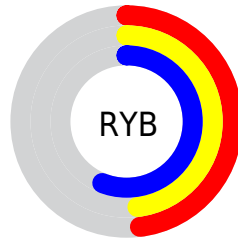
Distribution



Red (48%)

Green (48%)

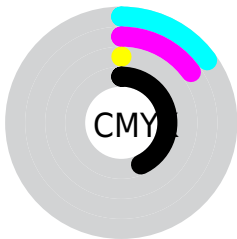
Blue (56%)



Red (48%)

Yellow (48%)

Blue (56%)

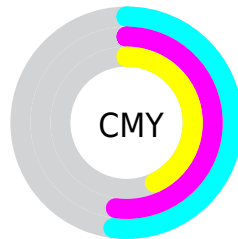


Cyan (15%)

Magenta (15%)

Yellow (0%)

Black (43%)



Cyan (52%)


Magenta (52%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 12.797, 291.781 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, 12.797, 291.781 by changing the saturation by 10% instead.


 52, 12.797,
291.781


 52, 12.797,
291.781


 100, 12.797,
291.781


 42, 12.797,
291.781


 72, 12.797,
291.781

 32, 12.797,
291.781

 82, 12.797,
291.781

 22, 12.797,
291.781

 92, 12.797,
291.781

 12, 12.797,
291.781

 2, 12.797, 291.781

 0, 12.797, 291.781

■ 52, 12.797,
291.781

■ 52, 12.797,
291.781

■ 47, 21.612,
293.058

■ 57, 4.328, 290.695

■ 42, 30.801,
294.556

■ 62, 3.816, 109.742

■ 36, 40.370,
296.289

■ 67, 11.661,
108.958

■ 31, 50.280,
298.249

■ 72, 19.228,
108.282

■ 27, 60.360,
300.374

■ 77, 26.537,
107.699

■ 22, 70.155,
302.510

■ 82, 33.605,
107.195


■ 19, 78.741,
304.392


■ 87, 40.447,
106.759

■ 17, 84.890,

■ 92, 47.077,
106.378

305.724

 97, 53.509,
106.045

 16, 87.524,
306.287

Harmonies

Complementary

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



52, 12.797, 291.781



59, 12.370, 108.746

Rectangle

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



52, 12.797, 291.781



52, 12.797, 341.781



52, 12.797, 111.781



52, 12.797, 161.781

Sweetspot

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



52, 12.796, 291.778



73, 5.124, 290.681



58, 8.246, 197.208



38, 3.488, 290.742



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, 12.796, 291.778



65, 18.913, 292.156



53, 13.441, 309.170



27, 4.642, 291.096



14, 83.488, 306.287



0, 3.085, 290.177

Inverse Universe

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



53, 9.052, 20.367



67, 13.456, 20.632



58, 13.161, 127.816



28, 3.246, 19.887



27, 64.131, 38.798



0, 2.121, 19.403

Previews

White Background



This preview shows how the CIELCh color 52, 12.797, 291.781 looks on a white background.

Color Contrast Check

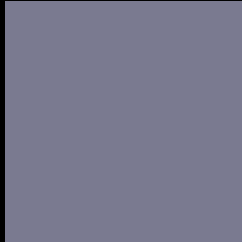
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.797, 291.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

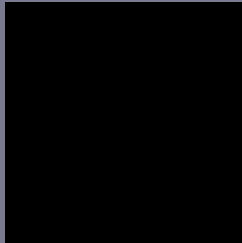
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

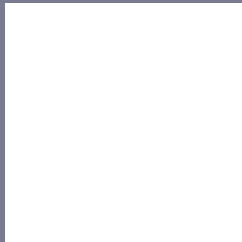
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 12.797, 291.781

Background



This preview shows how black text looks on a background with the CIELCh color 52, 12.797, 291.781.



This preview shows how white text looks on a background with the CIELCh color 52, 12.797, 291.781.

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, 12.797, 291.781

Protanopia

52, 12.807, 286.820

Deuteranopia

52, 13.548, 299.781



Tritanopia
52, 5.978, 276.059

Trichromacy



Original Color
52, 12.797, 291.781

Protanomaly
52, 12.787, 288.461

Deuteranomaly
52, 13.498, 298.202

Tritanomaly
52, 8.738, 286.307

Monochromacy



Original Color
52, 12.797, 291.781

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 4.646, 290.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 12.797, 291.781 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(122, 122, 144)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 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(122, 122, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 12.797, 291.781 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(122, 122, 144) }
```

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

```
.border{ border-color:rgb(122, 122, 144) }
```

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

Here you see how a box with a 4 pixel rgb(122, 122, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 144);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 12.797, 291.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 144) }
```

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

```
.background{ background-color: rgb(122,  
122, 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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