

Converting Colors

CIELCh(52, 22.709, 277.497)

Have a look what the booklet for
CIELCh(52, 22.709, 277.497)
contains.

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Color

CIELCh(52, 22.653, 277.445)

Conversions

Conversions Part 1

Format	Color
Hex	6A7CA2
RGB	106, 124, 162
RGB Percent	42%, 49%, 64%
CMY	0.5837, 0.5131, 0.3640
CMYK	0.35, 0.23, 0.00, 0.36
HSL	221°, 23%, 53%
HSV	221°, 35%, 64%
XYZ	19.7276, 20.1443, 37.1100
YIQ	122.9500, -22.9260, 8.0020

Conversions

Conversions Part 2

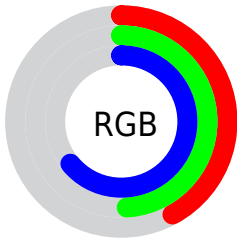
Format	Color
R_{YB}	106, 120, 162
Decimal	6978722
CIE _{Lab}	52.00, 2.94, -22.46
CIE _{LCh}	52, 22.653, 277.445
Yxy	20.1443, 0.2563, 0.2617
Android (android.graphics.Color)	4285168802 (0xFF6A7CA2)
YUV	122.9500, 19.2516, -14.8652
Hunter-Lab	44.8824, -0.0865, -17.6049

Details

The CIELCh color `52, 22.653, 277.445` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `61, 22.697, 87.709`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 22.849, 278.143`, and `32, 22.754, 277.948` is the 20% darker color. If you saturate the color by 10%, you get `48, 29.479, 279.603`, and if you desaturate by 10%, it is `56, 15.954, 275.593`.

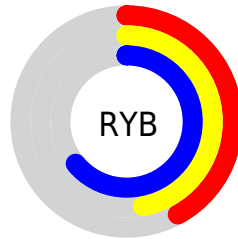
Distribution



Red (42%)

Green (49%)

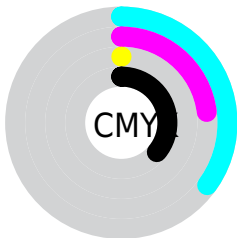
Blue (64%)



Red (42%)

Yellow (47%)

Blue (64%)

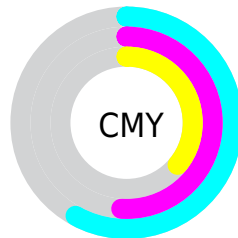


Cyan (35%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (58%)


Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 22.653, 277.445 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, 22.653, 277.445 by changing the saturation by 10% instead.


 52, 22.653,
277.445

 52, 22.653,
277.445


 100, 22.653,
277.445

 42, 22.653,
277.445


 72, 22.653,
277.445

 32, 22.653,
277.445

 82, 22.653,
277.445

 22, 22.653,
277.445

 92, 22.653,
277.445

 12, 22.653,
277.445

 2, 22.653, 277.445

 0, 22.653, 277.445

■ 52, 22.653,
277.445

■ 52, 22.653,
277.445

■ 48, 29.479,
279.603

■ 56, 15.954,
275.593

■ 44, 36.456,
282.104

■ 60, 9.374, 274.012

■ 65, 2.905, 272.693

■ 40, 43.610,
284.964

■ 69, 3.454, 91.387

■ 36, 50.966,
288.159

■ 73, 9.706, 90.400

■ 32, 58.514,
291.601

■ 77, 15.848, 89.513

■ 82, 21.881, 88.731

■ 29, 66.156,
295.125

■ 86, 27.806, 88.037

■ 27, 70.316,
296.897

■ 90, 33.622, 87.418

Harmonies

Complementary

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



52, 22.653, 277.445



61, 22.697, 87.709

Rectangle

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



52, 22.653, 277.445



52, 22.653, 327.445



52, 22.653, 97.445



52, 22.653, 147.445

Sweetspot

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



52, 22.652, 277.444



80, 7.984, 273.402



62, 22.995, 170.280



42, 5.496, 273.585



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



52, 22.652, 277.444



63, 33.622, 278.975



48, 33.320, 299.804



32, 3.652, 273.279



24, 64.267, 296.558



2, 5.833, 274.357

Inverse Universe

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



51, 25.011, 358.334



62, 37.073, 359.454



65, 30.775, 114.249



32, 3.961, 355.293



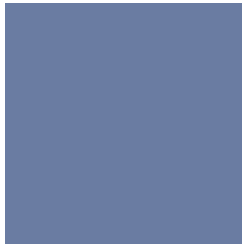
30, 56.836, 17.972



1, 5.962, 356.575

Previews

White Background



This preview shows how the CIE LCh color 52, 22.653, 277.445 looks on a white background.

Color Contrast Check

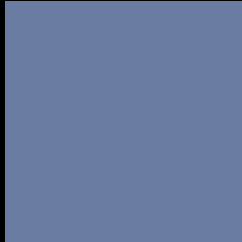
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 52, 22.653, 277.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

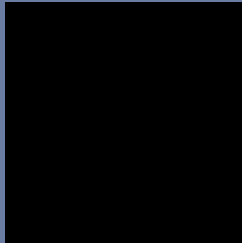
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

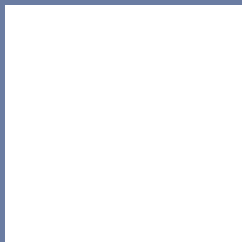
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 22.653, 277.445

Background



This preview shows how black text looks on a background with the CIELCh color 52, 22.653, 277.445.



This preview shows how white text looks on a background with the CIELCh color 52, 22.653, 277.445.

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, 22.653, 277.445

Protanopia

52, 22.750, 286.052

Deuteranopia

52, 23.868, 287.366



Tritanopia
52, 11.472, 232.636

Trichromacy



Original Color
52, 22.653, 277.445

Protanomaly
52, 22.313, 282.345

Deuteranomaly
52, 23.400, 283.865

Tritanomaly
52, 14.106, 254.705

Monochromacy



Original Color
52, 22.653, 277.445

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 8.403, 275.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 22.653, 277.445 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(106, 124, 162)` looks like.

```
.text, #text, p{  
    color:rgb(106, 124, 162)  
}
```

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(106, 124, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 124, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 22.653, 277.445 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(106, 124, 162) }
```

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

```
.border{ border-color:rgb(106, 124, 162) }
```

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

Here you see how a box with a 4 pixel rgb(106, 124, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 124, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 124, 162);  
box-shadow:4px 4px 4px 4px rgb(106, 124,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 22.653, 277.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 124, 162) }
```

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

```
.background{ background-color: rgb(106,  
124, 162) }
```

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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