

Converting Colors

CIELCh(53, 22.550, 280.695)

Have a look what the booklet for
CIELCh(53, 22.550, 280.695)
contains.

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Color

CIELCh(53, 22.331, 280.588)

Conversions

Conversions Part 1

Format	Color
Hex	707EA4
RGB	112, 126, 164
RGB Percent	44%, 49%, 64%
CMY	0.5608, 0.5059, 0.3569
CMYK	0.32, 0.23, 0.00, 0.36
HSL	224°, 22%, 54%
HSV	224°, 32%, 64%
XYZ	20.8432, 21.0462, 38.0850
YIQ	126.1460, -20.5420, 8.8500

Conversions

Conversions Part 2

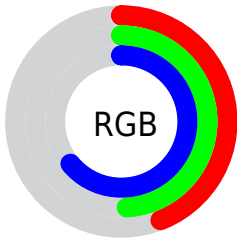
Format	Color
R_{YB}	112, 123, 164
Decimal	7372452
CIE _{Lab}	53.00, 4.10, -21.95
CIE _{LCh}	53, 22.331, 280.588
Yxy	21.0462, 0.2606, 0.2632
Android (android.graphics.Color)	4285562532 (0xFF707EA4)
YUV	126.1460, 18.6620, -12.4060
Hunter-Lab	45.8761, 0.8158, -17.1075

Details

The CIELCh color $53, 22.331, 280.588$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 21.970, 92.056$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 22.068, 280.098$, and $33, 22.414, 280.809$ is the 20% darker color. If you saturate the color by 10%, you get $48, 29.735, 282.588$, and if you desaturate by 10%, it is $58, 15.111, 278.871$.

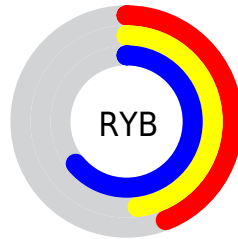
Distribution



Red (44%)

Green (49%)

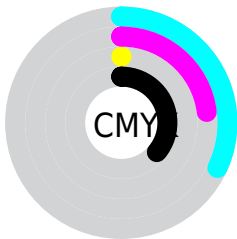
Blue (64%)



Red (44%)

Yellow (48%)

Blue (64%)

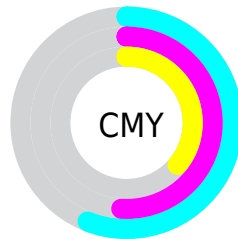


Cyan (32%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (56%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 22.331, 280.588 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 53, 22.331, 280.588 by changing the saturation by 10% instead.

■ 53, 22.331,
280.588

■ 53, 22.331,
280.588

■ 100, 22.331,
280.588

■ 43, 22.331,
280.588

■ 73, 22.331,
280.588

■ 33, 22.331,
280.588

■ 83, 22.331,
280.588

■ 23, 22.331,
280.588

■ 93, 22.331,
280.588

■ 13, 22.331,
280.588

■ 3, 22.331, 280.588

■ 0, 22.331, 280.588

■ 53, 22.331,
280.588

■ 53, 22.331,
280.588

■ 48, 29.735,
282.588

■ 58, 15.111,
278.871

■ 44, 37.347,
284.908

■ 62, 8.061, 277.405

■ 67, 1.169, 276.260

■ 40, 45.192,
287.563

■ 71, 5.572, 94.985

■ 35, 53.282,
290.531

■ 76, 12.167, 94.047

■ 31, 61.573,
293.731

■ 80, 18.620, 93.218

■ 84, 24.934, 92.486

■ 28, 69.897,
297.000

■ 89, 31.114, 91.837

■ 25, 76.595,
299.502

■ 93, 36.663, 94.025

Harmonies

Complementary

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



53, 22.331, 280.588



62, 21.970, 92.056

Rectangle

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



53, 22.331, 280.588



53, 22.331, 330.588



53, 22.331, 100.588



53, 22.331, 150.588

Sweetspot

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



53, 22.330, 280.587



80, 8.544, 277.202



63, 20.651, 174.053



41, 5.827, 277.379



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



53, 22.330, 280.587



64, 33.544, 281.958



50, 30.800, 301.155



32, 3.870, 277.082



22, 69.399, 299.170



1, 6.137, 277.639

Inverse Universe

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



53, 22.676, 1.640



64, 34.079, 2.712



65, 28.747, 116.563



32, 3.861, 358.927



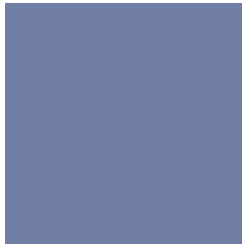
30, 58.175, 22.633



1, 5.822, 359.961

Previews

White Background



This preview shows how the CIELCh color 53, 22.331, 280.588 looks on a white background.

Color Contrast Check

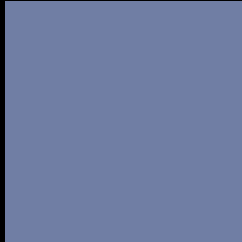
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 22.331, 280.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

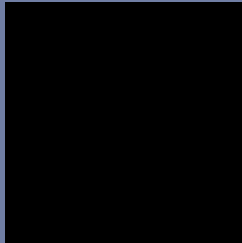
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

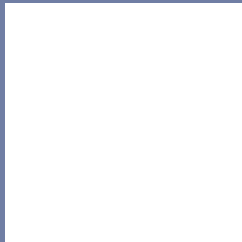
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 22.331, 280.588

Background



This preview shows how black text looks on a background with the CIELCh color 53, 22.331, 280.588.



This preview shows how white text looks on a background with the CIELCh color 53, 22.331, 280.588.

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

53, 22.331, 280.588

Protanopia

53, 22.120, 284.833

Deuteranopia

53, 23.204, 287.909



Tritanopia
53, 10.357, 236.866

Trichromacy



Original Color
53, 22.331, 280.588

Protanomaly
53, 22.160, 283.975

Deuteranomaly
53, 22.689, 285.130

Tritanomaly
53, 13.367, 259.389

Monochromacy



Original Color
53, 22.331, 280.588

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 8.283, 278.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 22.331, 280.588 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(112, 126, 164)` looks like.

```
.text, #text, p{  
    color:rgb(112, 126, 164)  
}
```

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(112, 126, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 126, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 22.331, 280.588 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(112, 126, 164) }
```

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

```
.border{ border-color:rgb(112, 126, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 126, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 126, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 126, 164); box-shadow:4px 4px 4px 4px rgb(112, 126, 164) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 22.331, 280.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 126, 164) }
```

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

```
.background{ background-color: rgb(112,  
126, 164) }
```

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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