

Converting Colors

CIELCh(53, 41.518, 283.738)

Have a look what the booklet for
CIELCh(53, 41.518, 283.738)
contains.

CIELCh(53, 41.427, 283.549)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(53, 41.427, 283.549)

Conversions

Conversions Part 1

Format	Color
Hex	607DC4
RGB	96, 125, 196
RGB Percent	38%, 49%, 77%
CMY	0.6246, 0.5108, 0.2325
CMYK	0.51, 0.36, 0.00, 0.23
HSL	223°, 46%, 57%
HSV	223°, 51%, 77%
XYZ	22.0267, 21.0462, 54.9570
YIQ	124.4230, -40.0750, 15.9330

Conversions

Conversions Part 2

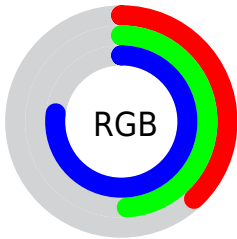
Format	Color
R _Y B	96, 118, 196
Decimal	6323652
CIE Lab	53.00, 9.71, -40.27
CIE LCh	53, 41.427, 283.549
Yxy	21.0462, 0.2247, 0.2147
Android (android.graphics.Color)	4284513732 (0xFF607DC4)
YUV	124.4230, 35.2875, -24.9270
Hunter-Lab	45.8761, 5.4207, -38.9128

Details

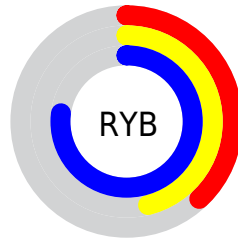
The CIELCh color **53, 41.427, 283.549** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **70, 40.410, 87.838**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 41.597, 283.833**, and **33, 41.274, 283.349** is the 20% darker color. If you saturate the color by 10%, you get **48, 50.173, 286.286**, and if you desaturate by 10%, it is **58, 32.924, 281.165**.

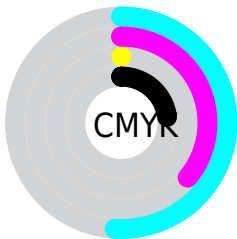
Distribution



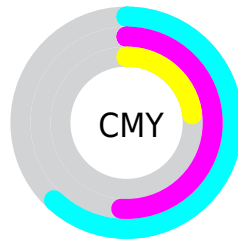
- Red (38%)
- Green (49%)
- Blue (77%)



- Red (38%)
- Yellow (46%)
- Blue (77%)



- Cyan (51%)
- Magenta (36%)
- Yellow (0%)
- Black (23%)





- Cyan (62%)
- Magenta (51%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 41.427, 283.549 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, 41.427, 283.549 by changing the saturation by 10% instead.


 53, 41.427,
283.549

 53, 41.427,
283.549


 100, 41.427,
283.549


 43, 41.427,
283.549


 73, 41.427,
283.549

 33, 41.427,
283.549

 83, 41.427,
283.549

 23, 41.427,
283.549

 93, 41.427,
283.549

 13, 41.427,
283.549

 3, 41.427, 283.549

 0, 41.427, 283.549

■ 53, 41.427,
283.549

■ 53, 41.427,
283.549

■ 48, 50.173,
286.286

■ 58, 32.924,
281.165

■ 43, 59.187,
289.358

■ 63, 24.636,
279.114

■ 39, 68.441,
292.685

■ 68, 16.537,
277.359

■ 35, 77.782,
296.102

■ 73, 8.611, 275.864

■ 78, 0.847, 274.792

■ 32, 85.904,
298.961

■ 84, 6.759, 93.398

■ 89, 14.211, 92.445

■ 94, 21.513, 91.602

■ 97, 27.424,
103.905

Harmonies

Complementary

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



53, 41.427, 283.549



70, 40.410, 87.838

Rectangle

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



53, 41.427, 283.549



53, 41.427, 333.549



53, 41.427, 103.549



53, 41.427, 153.549

Sweetspot

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



53, 41.426, 283.550



90, 14.492, 276.454



73, 37.054, 170.436



47, 9.908, 276.775



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 41.426, 283.550



62, 62.173, 286.541



47, 59.273, 302.848



38, 4.359, 275.631



25, 73.115, 298.468



3, 15.616, 281.709

Inverse Universe

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



53, 43.050, 3.583



64, 63.139, 6.203



76, 52.174, 114.622



38, 4.497, 357.463



33, 62.140, 21.320



3, 14.577, 3.969

Previews

White Background



This preview shows how the CIELCh color 53, 41.427, 283.549 looks on a white background.

Color Contrast Check

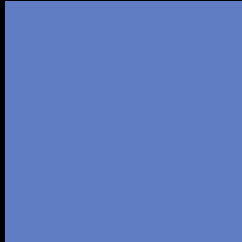
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 41.427, 283.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

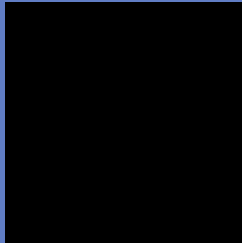
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

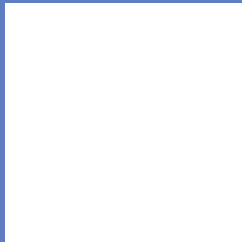
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 41.427, 283.549

Background



This preview shows how black text looks on a background with the CIELCh color 53, 41.427, 283.549.

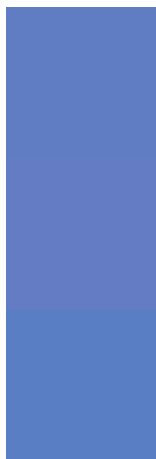


This preview shows how white text looks on a background with the CIELCh color 53, 41.427, 283.549.

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, 41.427, 283.549

Protanopia

53, 41.292, 285.371

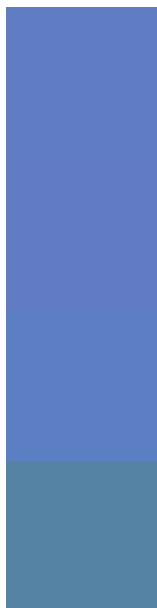
Deuteranopia

53, 40.589, 280.531



Tritanopia
53, 19.290, 217.184

Trichromacy



Original Color
53, 41.427, 283.549

Protanomaly
53, 41.364, 284.657

Deuteranomaly
53, 40.495, 281.204

Tritanomaly
53, 23.318, 254.166

Monochromacy



Original Color
53, 41.427, 283.549

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 15.413, 278.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 41.427, 283.549 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(96, 125, 196)` looks like.

```
.text, #text, p{  
    color:rgb(96, 125, 196)  
}
```

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(96, 125, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 125, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 41.427, 283.549 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(96, 125, 196) }
```

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

```
.border{ border-color:rgb(96, 125, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 125, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 125, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 125, 196);  
box-shadow:4px 4px 4px 4px rgb(96, 125,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 41.427, 283.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 125, 196) }
```

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

```
.background{ background-color: rgb(96, 125,  
196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor