

Converting Colors

CIELCh(53, 21.234, 287.357)

Have a look what the booklet for
CIELCh(53, 21.234, 287.357)
contains.

CIELCh(53, 20.883, 286.975)	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, 20.883, 286.975)

Conversions

Conversions Part 1

Format	Color
Hex	777DA1
RGB	119, 125, 161
RGB Percent	47%, 49%, 63%
CMY	0.5346, 0.5111, 0.3700
CMYK	0.26, 0.22, 0.00, 0.37
HSL	231°, 18%, 55%
HSV	231°, 26%, 63%
XYZ	21.2594, 21.0462, 36.5039
YIQ	127.3100, -15.1320, 9.9240

Conversions

Conversions Part 2

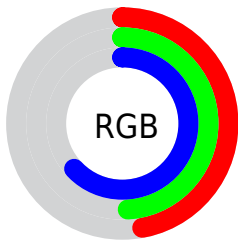
Format	Color
R _Y B	119, 124, 161
Decimal	7830945
CIE Lab	53.00, 6.10, -19.97
CIE LCh	53, 20.883, 286.975
Yxy	21.0462, 0.2698, 0.2671
Android (android.graphics.Color)	4286021025 (0xFF777DA1)
YUV	127.3100, 16.6092, -7.2879
Hunter-Lab	45.8761, 2.4352, -15.0642

Details

The CIELCh color $53, 20.883, 286.975$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 20.063, 100.796$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 20.683, 286.516$, and $33, 20.868, 286.871$ is the 20% darker color. If you saturate the color by 10%, you get $48, 29.379, 288.656$, and if you desaturate by 10%, it is $58, 12.679, 285.535$.

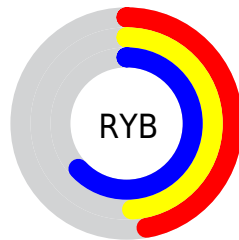
Distribution



Red (47%)

Green (49%)

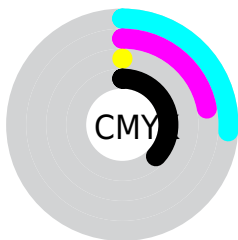
Blue (63%)



Red (47%)

Yellow (49%)

Blue (63%)

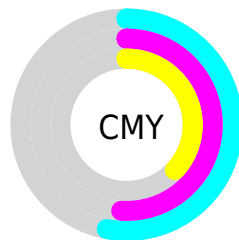


Cyan (26%)

Magenta (22%)

Yellow (0%)

Black (37%)



Cyan (53%)


Magenta (51%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 20.883, 286.975 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, 20.883, 286.975 by changing the saturation by 10% instead.


 53, 20.883,
286.975


 53, 20.883,
286.975


 100, 20.883,
286.975


 43, 20.883,
286.975


 73, 20.883,
286.975

 33, 20.883,
286.975

 83, 20.883,
286.975

 23, 20.883,
286.975

 93, 20.883,
286.975

 13, 20.883,
286.975

 3, 20.883, 286.975

 0, 20.883, 286.975

■ 53, 20.883,
286.975

■ 53, 20.883,
286.975

■ 48, 29.379,
288.656

■ 58, 12.679,
285.535

■ 43, 38.196,
290.610

■ 63, 4.747, 284.314

■ 68, 2.934, 103.194

■ 38, 47.344,
292.849

■ 73, 10.381,
102.306

■ 33, 56.792,
295.351

■ 78, 17.608,
101.519

■ 29, 66.388,
298.028

■ 83, 24.628,
100.830

■ 25, 75.733,
300.703

■ 88, 31.451,
100.226

■ 22, 84.061,
303.099

■ 92, 38.087, 99.694

■ 21, 86.833,

303.832

 97, 44.211,
103.456

Harmonies

Complementary

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



53, 20.883, 286.975



64, 20.063, 100.796

Rectangle

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



53, 20.883, 286.975



53, 20.883, 336.975



53, 20.883, 106.975



53, 20.883, 156.975

Sweetspot

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



53, 20.882, 286.974



79, 7.696, 284.542



63, 15.638, 184.949



41, 5.470, 284.711



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



53, 20.882, 286.974



65, 30.989, 287.859



53, 25.038, 305.211



32, 4.455, 284.674



18, 80.181, 303.647



1, 6.944, 284.328

Inverse Universe

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



54, 17.647, 10.324



66, 26.308, 11.069



64, 23.887, 122.288



32, 3.689, 8.425



30, 62.811, 32.353



1, 5.573, 8.762

Previews

White Background



This preview shows how the CIELCh color 53, 20.883, 286.975 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, 20.883, 286.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

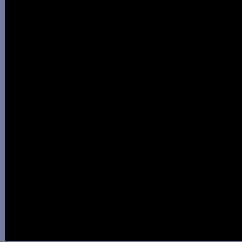
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

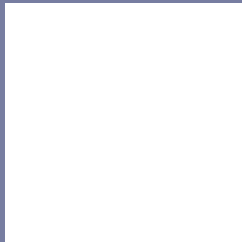
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 20.883, 286.975

Background



This preview shows how black text looks on a background with the CIELCh color 53, 20.883, 286.975.

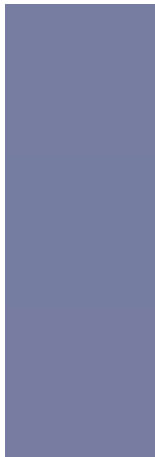


This preview shows how white text looks on a background with the CIELCh color 53, 20.883, 286.975.

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, 20.883, 286.975

Protanopia

53, 20.945, 285.116

Deuteranopia

53, 21.432, 289.986



Tritanopia
53, 7.931, 246.036

Trichromacy



Original Color
53, 20.883, 286.975

Protanomaly
53, 20.912, 286.042

Deuteranomaly
53, 21.445, 289.065

Tritanomaly
53, 12.138, 272.340

Monochromacy



Original Color
53, 20.883, 286.975

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 7.550, 285.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 20.883, 286.975 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(119, 125, 161)` looks like.

```
.text, #text, p{  
    color:rgb(119, 125, 161)  
}
```

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(119, 125, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 125, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 20.883, 286.975 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(119, 125, 161) }
```

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

```
.border{ border-color:rgb(119, 125, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 125, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 125, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 125, 161);  
box-shadow:4px 4px 4px 4px rgb(119, 125,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 20.883, 286.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 125, 161) }
```

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

```
.background{ background-color: rgb(119,  
125, 161) }
```

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