

Converting Colors

CIELCh(53, 21.726, 239.885)

Have a look what the booklet for
CIELCh(53, 21.726, 239.885)
contains.

CIELCh(53, 21.741, 240.288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 21.741, 240.288)

Conversions

Conversions Part 1

Format	Color
Hex	4F859E
RGB	79, 133, 158
RGB Percent	31%, 52%, 62%
CMY	0.6886, 0.4769, 0.3788
CMYK	0.50, 0.16, 0.00, 0.38
HSL	199°, 33%, 47%
HSV	199°, 50%, 62%
XYZ	17.9073, 21.0462, 35.6511
YIQ	119.7040, -40.2090, -3.6730

Conversions

Conversions Part 2

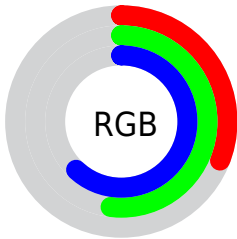
Format	Color
R_{YB}	79, 111, 158
Decimal	5211550
CIE _{Lab}	53.00, -10.78, -18.88
CIE _{LCh}	53, 21.741, 240.288
Yxy	21.0462, 0.2400, 0.2821
Android (android.graphics.Color)	4283401630 (0xFF4F859E)
YUV	119.7040, 18.8799, -35.6974
Hunter-Lab	45.8761, -10.6075, -13.9620

Details

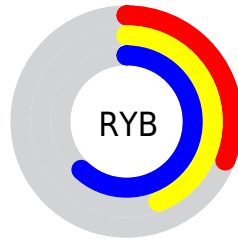
The CIELCh color **53, 21.741, 240.288** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **49, 29.580, 50.723**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 21.823, 240.994**, and **33, 21.907, 242.015** is the 20% darker color. If you saturate the color by 10%, you get **51, 25.102, 242.748**, and if you desaturate by 10%, it is **55, 17.986, 238.306**.

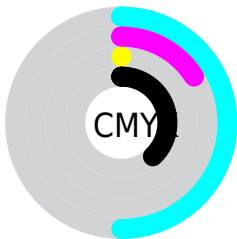
Distribution



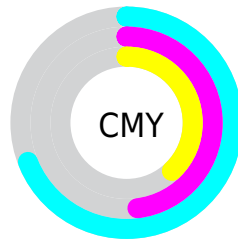
- Red (31%)
- Green (52%)
- Blue (62%)



- Red (31%)
- Yellow (44%)
- Blue (62%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (69%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 21.741, 240.288 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, 21.741, 240.288 by changing the saturation by 10% instead.


 53, 21.741,
240.288


 53, 21.741,
240.288


 100, 21.741,
240.288

 43, 21.741,
240.288


 73, 21.741,
240.288

 33, 21.741,
240.288

 83, 21.741,
240.288

 23, 21.741,
240.288

 93, 21.741,
240.288

 13, 21.741,
240.288

 3, 21.741, 240.288

 0, 21.741, 240.288

■ 53, 21.741,
240.288

■ 53, 21.741,
240.288

■ 51, 25.102,
242.748

■ 55, 17.986,
238.306

■ 49, 28.055,
245.774

■ 58, 13.877,
236.725

■ 47, 30.622,
249.431

■ 60, 9.465, 235.471

■ 45, 32.875,
253.739

■ 63, 4.802, 234.503

■ 65, 0.062, 46.864

■ 43, 35.008,
258.435

■ 68, 5.080, 52.881

■ 43, 35.038,
258.494

■ 71, 10.215, 52.405

■ 73, 15.433, 52.003

■ 76, 20.707, 51.674

Harmonies

Complementary

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



53, 21.741, 240.288



49, 29.580, 50.723

Rectangle

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



53, 21.741, 240.288



53, 21.741, 290.288



53, 21.741, 60.288



53, 21.741, 110.288

Sweetspot

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



53, 21.740, 240.287



78, 8.960, 234.992



59, 42.848, 149.707



41, 6.135, 235.193



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, 21.740, 240.287



65, 31.059, 243.105



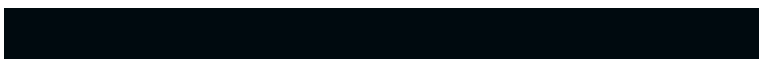
42, 38.245, 288.504



32, 2.750, 234.453



39, 32.328, 257.995



2, 3.670, 237.983

Inverse Universe

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



45, 42.745, 338.863



54, 61.967, 340.010



59, 35.685, 94.583



31, 4.888, 335.557



31, 59.561, 345.644



1, 6.189, 336.449

Previews

White Background



This preview shows how the CIE LCh color 53, 21.741, 240.288 looks on a white background.

Color Contrast Check

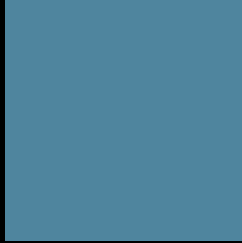
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.741, 240.288 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, 21.741, 240.288

Background



This preview shows how black text looks on a background with the CIELCh color 53, 21.741, 240.288.



This preview shows how white text looks on a background with the CIELCh color 53, 21.741, 240.288.

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, 21.741, 240.288

Protanopia

53, 15.699, 285.513

Deuteranopia

53, 21.445, 289.065



Tritanopia
53, 20.270, 216.128

Trichromacy



Original Color
53, 21.741, 240.288

Protanomaly
53, 16.750, 263.653

Deuteranomaly
53, 20.227, 270.941

Tritanomaly
53, 20.373, 227.024

Monochromacy



Original Color
53, 21.741, 240.288

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 8.956, 234.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 21.741, 240.288 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(79, 133, 158)` looks like.

```
.text, #text, p{  
    color:rgb(79, 133, 158)  
}
```

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(79, 133, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 133, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 21.741, 240.288 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(79, 133, 158) }
```

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

```
.border{ border-color:rgb(79, 133, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 133, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 133, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 133, 158);  
box-shadow:4px 4px 4px 4px rgb(79, 133,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 21.741, 240.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 133, 158) }
```

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

```
.background{ background-color: rgb(79, 133,  
158) }
```

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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