

Converting Colors

CIELCh(53, 19.648, 241.520)

Have a look what the booklet for
CIELCh(53, 19.648, 241.520)
contains.

CIELCh(53, 19.762, 240.967)	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, 19.762, 240.967)

Conversions

Conversions Part 1

Format	Color
Hex	56859C
RGB	86, 133, 156
RGB Percent	34%, 52%, 61%
CMY	0.6639, 0.4796, 0.3895
CMYK	0.45, 0.15, 0.00, 0.39
HSL	200°, 29%, 47%
HSV	200°, 45%, 61%
XYZ	18.1303, 21.0462, 34.4211
YIQ	121.5690, -35.3950, -2.8110

Conversions

Conversions Part 2

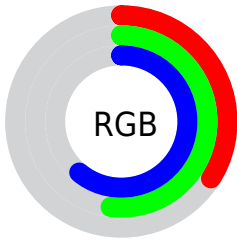
Format	Color
R _Y B	86, 114, 156
Decimal	5670300
CIE Lab	53.00, -9.59, -17.28
CIE LCh	53, 19.762, 240.967
Yxy	21.0462, 0.2463, 0.2860
Android (android.graphics.Color)	4283860380 (0xFF56859C)
YUV	121.5690, 16.9745, -31.1940
Hunter-Lab	45.8761, -9.7398, -12.3723

Details

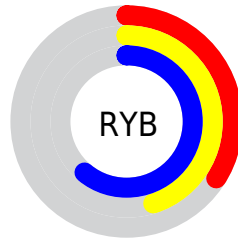
The CIELCh color $53, 19.762, 240.967$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $50, 25.736, 52.128$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 19.946, 241.721$, and $33, 19.859, 242.710$ is the 20% darker color. If you saturate the color by 10%, you get $51, 23.330, 243.244$, and if you desaturate by 10%, it is $55, 15.839, 239.130$.

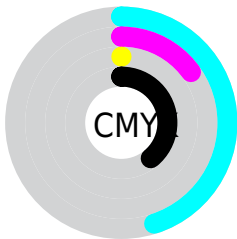
Distribution



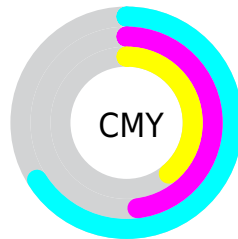
- Red (34%)
- Green (52%)
- Blue (61%)



- Red (34%)
- Yellow (45%)
- Blue (61%)



- Cyan (45%)
- Magenta (15%)
- Yellow (0%)
- Black (39%)





- Cyan (66%)
- Magenta (48%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 19.762, 240.967 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, 19.762, 240.967 by changing the saturation by 10% instead.


 53, 19.762,
240.967


 53, 19.762,
240.967


 100, 19.762,
240.967


 43, 19.762,
240.967


 73, 19.762,
240.967

 33, 19.762,
240.967

 83, 19.762,
240.967

 23, 19.762,
240.967

 93, 19.762,
240.967

 13, 19.762,
240.967

 3, 19.762, 240.967

 0, 19.762, 240.967

■ 53, 19.762,
240.967

■ 53, 19.762,
240.967

■ 51, 23.330,
243.244

■ 55, 15.839,
239.130

■ 49, 26.521,
246.048

■ 58, 11.605,
237.662

■ 46, 29.338,
249.453

■ 60, 7.110, 236.498

■ 45, 31.829,
253.500

■ 63, 2.402, 235.658

■ 66, 2.474, 54.557

■ 43, 34.099,
258.147

■ 68, 7.476, 54.048

■ 42, 35.265,
260.490

■ 71, 12.571, 53.568

■ 74, 17.731, 53.169

■ 76, 22.933, 52.839

Harmonies

Complementary

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



53, 19.762, 240.967



50, 25.736, 52.128

Rectangle

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



53, 19.762, 240.967



53, 19.762, 290.967



53, 19.762, 60.967



53, 19.762, 110.967

Sweetspot

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



53, 19.761, 240.965



77, 7.650, 236.328



59, 37.828, 150.960



40, 5.373, 236.537



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



53, 19.761, 240.965



65, 28.272, 243.263



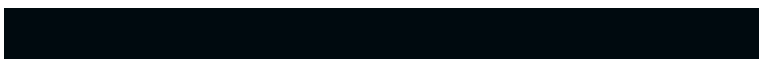
43, 34.432, 288.301



32, 2.752, 235.964



38, 32.968, 260.069



2, 3.676, 239.391

Inverse Universe

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



46, 38.009, 338.955



55, 55.249, 339.945



59, 32.259, 96.257



31, 4.847, 336.057



31, 59.140, 346.522



1, 6.138, 336.950

Previews

White Background



This preview shows how the CIELCh color 53, 19.762, 240.967 looks on a white background.

Color Contrast Check

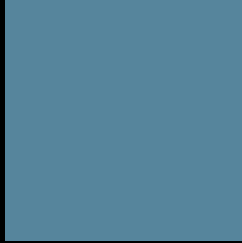
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.762, 240.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

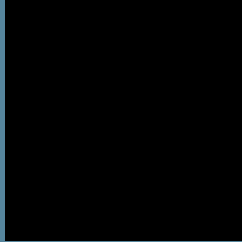
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 19.762, 240.967

Background



This preview shows how black text looks on a background with the CIELCh color 53, 19.762, 240.967.



This preview shows how white text looks on a background with the CIELCh color 53, 19.762, 240.967.

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, 19.762, 240.967

Protanopia

53, 14.521, 286.215

Deuteranopia

53, 19.696, 290.525



Tritanopia
53, 18.016, 218.747

Trichromacy



Original Color
53, 19.762, 240.967

Protanomaly
53, 15.335, 264.614

Deuteranomaly
53, 18.231, 272.360

Tritanomaly
53, 18.376, 226.416

Monochromacy



Original Color
53, 19.762, 240.967

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 8.117, 239.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 19.762, 240.967 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(86, 133, 156)` looks like.

```
.text, #text, p{  
    color:rgb(86, 133, 156)  
}
```

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(86, 133, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 133, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 19.762, 240.967 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(86, 133, 156) }
```

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

```
.border{ border-color:rgb(86, 133, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 133, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 133, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 133, 156);  
box-shadow:4px 4px 4px 4px rgb(86, 133,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 19.762, 240.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 133, 156) }
```

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

```
.background{ background-color: rgb(86, 133,  
156) }
```

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