

Converting Colors

CIELCh(53, 2.931, 199.233)

Have a look what the booklet for
CIELCh(53, 2.931, 199.233) contains.

CIELCh(53, 2.742, 199.260)	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, 2.742, 199.260)

Conversions

Conversions Part 1

Format	Color
Hex	798080
RGB	121, 128, 128
RGB Percent	47%, 50%, 50%
CMY	0.5257, 0.4982, 0.4982
CMYK	0.05, 0.00, 0.00, 0.50
HSL	180°, 3%, 49%
HSV	180°, 5%, 50%
XYZ	19.4860, 21.0462, 23.4424
YIQ	125.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

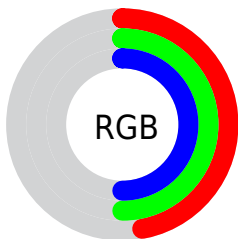
Format	Color
R_{YB}	121, 125, 128
Decimal	7962752
CIE _{Lab}	53.00, -2.59, -0.90
CIE _{LCh}	53, 2.742, 199.260
Yxy	21.0462, 0.3046, 0.3290
Android (android.graphics.Color)	4286152832 (0xFF798080)
YUV	125.9070, 1.0318, -4.3034
Hunter-Lab	45.8761, -4.4649, 1.8165

Details

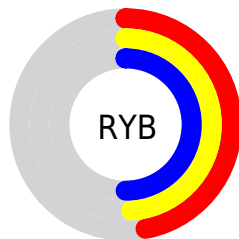
The CIELCh color `53, 2.742, 199.260` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `51, 2.835, 19.561`, and the grayscale version is `53, 0.007, 296.813`.

A 20% lighter version of the original color is `73, 2.947, 199.337`, and `33, 2.964, 199.062` is the 20% darker color. If you saturate the color by 10%, you get `52, 7.565, 198.636`, and if you desaturate by 10%, it is `54, 2.317, 19.456`.

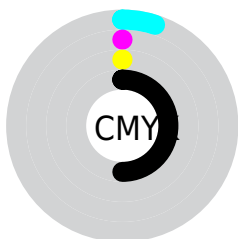
Distribution



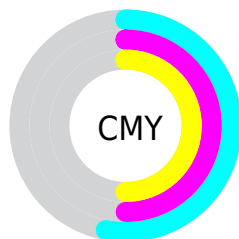
- Red (47%)
- Green (50%)
- Blue (50%)



- Red (47%)
- Yellow (49%)
- Blue (50%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



- Cyan (53%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 2.742, 199.260 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, 2.742, 199.260 by changing the saturation by 10% instead.

■ 53, 2.742, 199.260

■ 53, 2.742, 199.260

■ 100, 2.742,
199.260

■ 43, 2.742, 199.260

■ 73, 2.742, 199.260

■ 33, 2.742, 199.260

■ 83, 2.742, 199.260

■ 23, 2.742, 199.260

■ 93, 2.742, 199.260

■ 13, 2.742, 199.260

■ 3, 2.742, 199.260

■ 0, 2.742, 199.260

■ 53, 2.742, 199.260

■ 53, 2.742, 199.260

■ 52, 7.565, 198.636

■ 54, 2.317, 19.456

■ 51, 12.079,

■ 55, 7.550, 20.138

198.151

56, 12.901, 20.742

50, 16.208,
197.722

58, 18.324, 21.345

50, 19.879,
197.349

59, 23.782, 21.951

49, 23.024,
197.035

61, 29.244, 22.558

49, 25.592,
196.782

64, 40.101, 23.757

49, 27.555,
196.589

66, 45.467, 24.344

48, 28.915,
196.455

48, 29.741,
196.373

Harmonies

Complementary

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



53, 2.742, 199.260



51, 2.835, 19.561

Rectangle

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



53, 2.742, 199.260



53, 2.742, 249.260



53, 2.742, 19.260



53, 2.742, 69.260

Sweetspot

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



53, 2.743, 199.234



68, 1.247, 199.655



53, 4.919, 143.744



36, 0.715, 199.692



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



53, 2.743, 199.234



67, 4.319, 199.113



52, 2.405, 254.353



27, 2.244, 199.105



48, 29.984, 196.341



0, 0.000, 0.000

Inverse Universe

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



51, 2.835, 19.561



65, 4.509, 19.700



52, 2.430, 72.855



25, 2.345, 19.709



25, 61.092, 38.335



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 53, 2.742, 199.260 looks on a white background.

Color Contrast Check

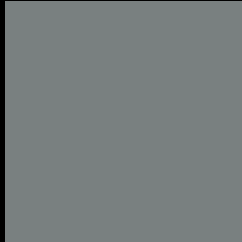
Large Text (above 18pt) WCAG AA ✓ Pass

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, 2.742, 199.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

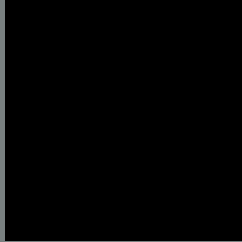
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

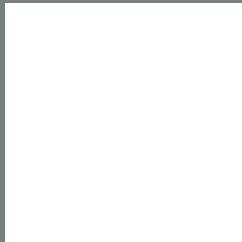
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 2.742, 199.260

Background



This preview shows how black text looks on a background with the CIELCh color 53, 2.742, 199.260.



This preview shows how white text looks on a background with the CIELCh color 53, 2.742, 199.260.

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, 2.742, 199.260

Protanopia

53, 0.993, 343.479

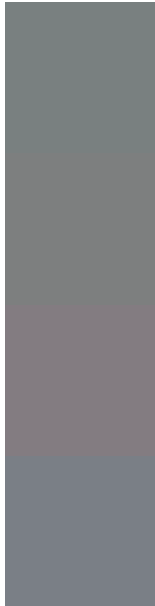
Deuteranopia

53, 7.260, 346.361



Tritanopia
53, 6.054, 272.549

Trichromacy



Original Color

53, 2.742, 199.260

Protanomaly

53, 0.790, 199.821

Deuteranomaly

53, 4.038, 333.998

Tritanomaly

53, 4.451, 265.070

Monochromacy



Original Color

53, 2.742, 199.260

Achromatopsia

53, 0.007, 296.813

Achromatomaly

53, 1.184, 199.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 2.742, 199.260 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(121, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(121, 128, 128)  
}
```

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(121, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 128, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 2.742, 199.260 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(121, 128, 128) }
```

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

```
.border{ border-color:rgb(121, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 128, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 128, 128); box-shadow:4px 4px 4px 4px rgb(121, 128, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 2.742, 199.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 128, 128) }
```

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

```
.background{ background-color: rgb(121,  
128, 128) }
```

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