

Converting Colors

CIELCh(52, 20.372, 251.251)

Have a look what the booklet for
CIELCh(52, 20.372, 251.251)
contains.

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Color

CIELCh(52, 20.500, 251.522)

Conversions

Conversions Part 1

Format	Color
Hex	58819D
RGB	88, 129, 157
RGB Percent	35%, 51%, 62%
CMY	0.6556, 0.4948, 0.3851
CMYK	0.44, 0.18, 0.00, 0.39
HSL	204°, 28%, 48%
HSV	204°, 44%, 61%
XYZ	17.9013, 20.1443, 34.7559
YIQ	119.9330, -33.4240, 0.0160

Conversions

Conversions Part 2

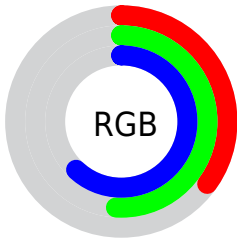
Format	Color
R _Y B	88, 114, 157
Decimal	5800349
CIE _{Lab}	52.00, -6.50, -19.44
CIE _{LCh}	52, 20.500, 251.522
Y _{xy}	20.1443, 0.2459, 0.2767
Android (android.graphics.Color)	4283990429 (0xFF58819D)
YUV	119.9330, 18.2740, -28.0052
Hunter-Lab	44.8824, -7.3497, -14.4950

Details

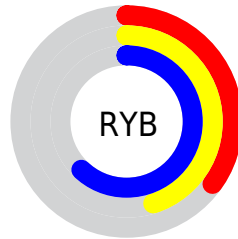
The CIELCh color `52, 20.500, 251.522` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `52, 25.056, 60.262`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 20.594, 251.609`, and `32, 20.670, 251.652` is the 20% darker color. If you saturate the color by 10%, you get `49, 24.601, 254.080`, and if you desaturate by 10%, it is `55, 16.158, 249.406`.

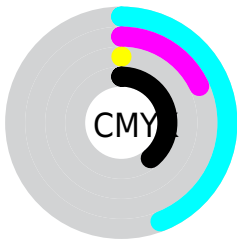
Distribution



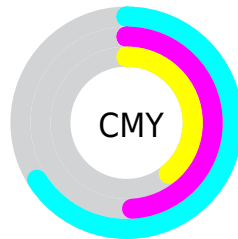
- Red (35%)
- Green (51%)
- Blue (62%)



- Red (35%)
- Yellow (45%)
- Blue (62%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (39%)





- Cyan (66%)
- Magenta (49%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 20.500, 251.522 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 52, 20.500, 251.522 by changing the saturation by 10% instead.


 52, 20.500,
251.522


 52, 20.500,
251.522


 100, 20.500,
251.522


 42, 20.500,
251.522


 72, 20.500,
251.522

 32, 20.500,
251.522

 82, 20.500,
251.522

 22, 20.500,
251.522

 92, 20.500,
251.522

 12, 20.500,
251.522

 2, 20.500, 251.522

 0, 20.500, 251.522

■ 52, 20.500,
251.522

■ 52, 20.500,
251.522

■ 49, 24.601,
254.080

■ 55, 16.158,
249.406

■ 47, 28.455,
257.153

■ 58, 11.604,
247.668

■ 44, 32.082,
260.787

■ 61, 6.869, 246.248

■ 42, 35.541,
264.984

■ 63, 1.989, 245.185

■ 66, 3.002, 63.884

■ 40, 38.930,
269.664

■ 69, 8.073, 63.129

■ 38, 41.027,
272.439

■ 72, 13.200, 62.444

■ 76, 18.360, 61.855

■ 79, 23.536, 61.349

Harmonies

Complementary

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



52, 20.500, 251.522



52, 25.056, 60.262

Rectangle

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



52, 20.500, 251.522



52, 20.500, 301.522



52, 20.500, 71.522



52, 20.500, 121.522

Sweetspot

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



52, 20.499, 251.521



77, 7.911, 246.154



59, 34.872, 154.531



40, 5.508, 246.419



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



52, 20.499, 251.521



63, 29.915, 254.088



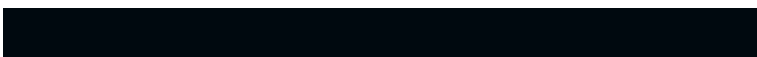
42, 37.449, 292.140



32, 2.811, 245.680



35, 38.067, 271.995



2, 3.771, 248.235

Inverse Universe

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



47, 35.666, 342.729



56, 52.373, 343.898



61, 34.227, 101.211



31, 4.589, 339.545



31, 56.814, 352.678



1, 5.822, 340.370

Previews

White Background



This preview shows how the CIE LCh color 52, 20.500, 251.522 looks on a white background.

Color Contrast Check

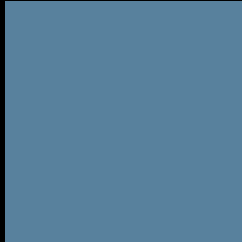
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 20.500, 251.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

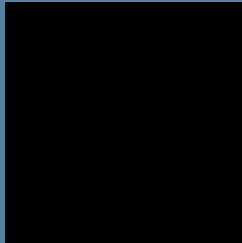
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 20.500, 251.522

Background



This preview shows how black text looks on a background with the CIELCh color 52, 20.500, 251.522.



This preview shows how white text looks on a background with the CIELCh color 52, 20.500, 251.522.

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

52, 20.500, 251.522

Protanopia

52, 17.493, 286.495

Deuteranopia

52, 21.537, 289.132



Tritanopia
52, 16.971, 220.263

Trichromacy



Original Color
52, 20.500, 251.522

Protanomaly
52, 18.300, 272.466

Deuteranomaly
52, 20.462, 275.195

Tritanomaly
52, 17.633, 232.519

Monochromacy



Original Color
52, 20.500, 251.522

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 7.986, 246.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 20.500, 251.522 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(88, 129, 157)` looks like.

```
.text, #text, p{  
    color:rgb(88, 129, 157)  
}
```

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(88, 129, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 129, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 20.500, 251.522 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(88, 129, 157) }
```

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

```
.border{ border-color:rgb(88, 129, 157) }
```

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

Here you see how a box with a 4 pixel rgb(88, 129, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 129, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 129, 157);  
box-shadow:4px 4px 4px 4px rgb(88, 129,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 20.500, 251.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 129, 157) }
```

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

```
.background{ background-color: rgb(88, 129,  
157) }
```

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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