

Converting Colors

CIELCh(53, 16.894, 257.037)

Have a look what the booklet for
CIELCh(53, 16.894, 257.037)
contains.

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Color

CIELCh(53, 16.555, 256.311)

Conversions

Conversions Part 1

Format	Color
Hex	66829A
RGB	102, 130, 154
RGB Percent	40%, 51%, 60%
CMY	0.6008, 0.4910, 0.3969
CMYK	0.34, 0.16, 0.00, 0.40
HSL	208°, 20%, 50%
HSV	208°, 34%, 60%
XYZ	19.2236, 21.0462, 33.5240
YIQ	124.3640, -24.3920, 1.5280

Conversions

Conversions Part 2

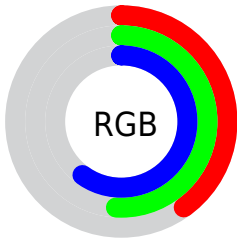
Format	Color
R_{YB}	102, 120, 154
Decimal	6718106
CIE Lab	53.00, -3.92, -16.08
CIE LCh	53, 16.555, 256.311
Yxy	21.0462, 0.2605, 0.2852
Android (android.graphics.Color)	4284908186 (0xFF66829A)
YUV	124.3640, 14.6105, -19.6132
Hunter-Lab	45.8761, -5.4858, -11.2130

Details

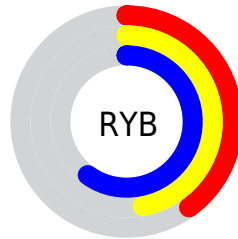
The CIELCh color $53, 16.555, 256.311$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $55, 18.576, 67.256$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 16.410, 255.110$, and $33, 16.617, 255.715$ is the 20% darker color. If you saturate the color by 10%, you get $50, 21.184, 258.524$, and if you desaturate by 10%, it is $56, 11.785, 254.459$.

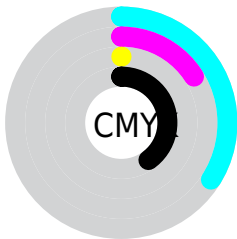
Distribution



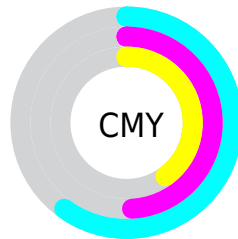
- Red (40%)
- Green (51%)
- Blue (60%)



- Red (40%)
- Yellow (47%)
- Blue (60%)



- Cyan (34%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)





- Cyan (60%)
- Magenta (49%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 16.555, 256.311 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, 16.555, 256.311 by changing the saturation by 10% instead.


 53, 16.555,
256.311


 53, 16.555,
256.311


 100, 16.555,
256.311


 43, 16.555,
256.311


 73, 16.555,
256.311

 33, 16.555,
256.311

 83, 16.555,
256.311

 23, 16.555,
256.311

 93, 16.555,
256.311

 13, 16.555,
256.311

 3, 16.555, 256.311

 0, 16.555, 256.311

■ 53, 16.555,
256.311

■ 53, 16.555,
256.311

■ 50, 21.184,
258.524

■ 56, 11.785,
254.459

■ 47, 25.661,
261.167

■ 59, 6.899, 252.924

■ 44, 29.989,
264.291

■ 62, 1.920, 251.740

■ 65, 3.125, 70.361

■ 41, 34.196,
267.926

■ 69, 8.214, 69.487

■ 39, 38.342,
272.050

■ 72, 13.327, 68.698

■ 75, 18.448, 68.010

■ 36, 42.514,
276.563

■ 78, 23.564, 67.410

■ 35, 45.187,
279.283

■ 81, 28.662, 66.883

Harmonies

Complementary

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



53, 16.555, 256.311



55, 18.576, 67.256

Rectangle

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



53, 16.555, 256.311



53, 16.555, 306.311



53, 16.555, 76.311



53, 16.555, 126.311

Sweetspot

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



53, 16.554, 256.309



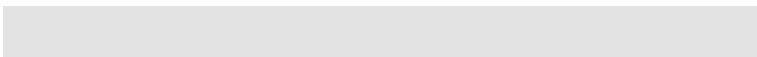
76, 6.180, 252.442



59, 25.593, 158.023



40, 4.201, 252.608



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



53, 16.554, 256.309



65, 24.515, 258.045



46, 29.389, 292.415



31, 2.823, 252.320



32, 41.934, 278.863



2, 3.091, 252.163

Inverse Universe

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



49, 26.204, 344.619



59, 39.084, 345.513



62, 27.309, 104.760



30, 4.296, 342.309



30, 54.938, 357.459



1, 4.568, 342.091

Previews

White Background



This preview shows how the CIELCh color 53, 16.555, 256.311 looks on a white background.

Color Contrast Check

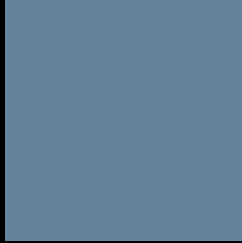
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.555, 256.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

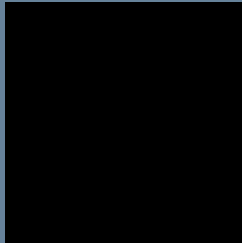
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

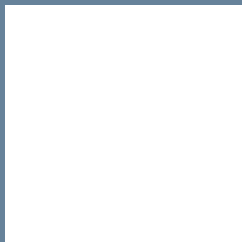
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 16.555, 256.311

Background



This preview shows how black text looks on a background with the CIELCh color 53, 16.555, 256.311.



This preview shows how white text looks on a background with the CIELCh color 53, 16.555, 256.311.

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, 16.555, 256.311

Protanopia

53, 15.096, 286.522

Deuteranopia

53, 17.964, 292.376



Tritanopia
53, 12.905, 225.186

Trichromacy



Original Color
53, 16.555, 256.311

Protanomaly
53, 15.049, 274.038

Deuteranomaly
53, 17.051, 280.267

Tritanomaly
53, 13.672, 238.234

Monochromacy



Original Color
53, 16.555, 256.311

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 6.377, 254.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 16.555, 256.311 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(102, 130, 154)` looks like.

```
.text, #text, p{  
    color:rgb(102, 130, 154)  
}
```

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(102, 130, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 130, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 16.555, 256.311 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(102, 130, 154) }
```

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

```
.border{ border-color:rgb(102, 130, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 130, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 130, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 130, 154);  
box-shadow:4px 4px 4px 4px rgb(102, 130,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 16.555, 256.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 130, 154) }
```

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

```
.background{ background-color: rgb(102,  
130, 154) }
```

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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