

Converting Colors

CIELCh(53, 23.636, 160.288)

Have a look what the booklet for
CIELCh(53, 23.636, 160.288)
contains.

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Color

CIELCh(53, 23.828, 159.821)

Conversions

Conversions Part 1

Format	Color
Hex	588970
RGB	88, 137, 112
RGB Percent	35%, 54%, 44%
CMY	0.6559, 0.4637, 0.5617
CMYK	0.36, 0.00, 0.18, 0.46
HSL	149°, 22%, 44%
HSV	149°, 36%, 54%
XYZ	15.8218, 21.0462, 18.4865
YIQ	119.4990, -21.1790, -18.1630

Conversions

Conversions Part 2

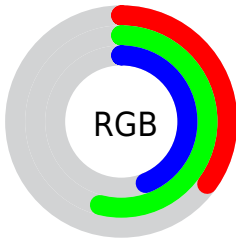
Format	Color
RYB	88, 121, 137
Decimal	5802352
CIELab	53.00, -22.37, 8.22
CIElCh	53, 23.828, 159.821
Yxy	21.0462, 0.2858, 0.3802
Android (android.graphics.Color)	4283992432 (0xFF588970)
YUV	119.4990, -3.6970, -27.6246
Hunter-Lab	45.8761, -18.7220, 8.2215

Details

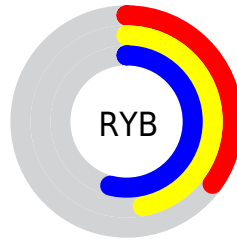
The CIELCh color $53, 23.828, 159.821$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $43, 24.798, 346.394$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 23.838, 159.737$, and $33, 24.048, 159.374$ is the 20% darker color. If you saturate the color by 10%, you get $52, 30.099, 158.631$, and if you desaturate by 10%, it is $54, 17.309, 160.879$.

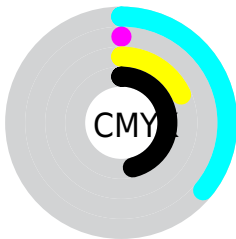
Distribution



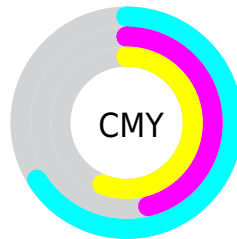
- Red (35%)
- Green (54%)
- Blue (44%)



- Red (35%)
- Yellow (47%)
- Blue (54%)



- Cyan (36%)
- Magenta (0%)
- Yellow (18%)
- Black (46%)





- Cyan (66%)
- Magenta (46%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 23.828, 159.821 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, 23.828, 159.821 by changing the saturation by 10% instead.


 53, 23.828,
159.821


 53, 23.828,
159.821


 100, 23.828,
159.821


 43, 23.828,
159.821


 73, 23.828,
159.821

 33, 23.828,
159.821

 83, 23.828,
159.821

 23, 23.828,
159.821

 93, 23.828,
159.821

 13, 23.828,
159.821

 3, 23.828, 159.821

 0, 23.828, 159.821

■ 53, 23.828,
159.821

■ 53, 23.828,
159.821

■ 52, 30.099,
158.631

■ 54, 17.309,
160.879

■ 51, 36.012,
157.288

■ 55, 10.640,
161.833

■ 51, 41.463,
155.771

■ 56, 3.913, 162.730

■ 50, 46.369,
154.060

■ 58, 2.800, 343.314

■ 59, 9.442, 344.094

■ 50, 50.677,
152.150

■ 60, 15.969,
344.755

■ 50, 54.411,
150.078

■ 62, 22.351,
345.361

■ 50, 55.905,
149.257

■ 64, 28.570,
345.924

■ 66, 34.614,
346.450

Harmonies

Complementary

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



53, 23.828, 159.821



43, 24.798, 346.394

Rectangle

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



53, 23.828, 159.821



53, 23.828, 209.821



53, 23.828, 339.821



53, 23.828, 29.821

Sweetspot

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



53, 23.829, 159.820



71, 9.193, 162.244



54, 29.453, 126.849



37, 6.153, 162.142



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 23.829, 159.820



67, 35.203, 158.864



54, 17.317, 196.142



29, 3.814, 162.429



48, 54.589, 149.330



1, 1.772, 163.117

Inverse Universe

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



43, 24.798, 346.394



53, 36.883, 347.362



43, 21.869, 21.264



27, 3.859, 343.794



28, 52.389, 359.801



0, 1.772, 343.107

Previews

White Background



This preview shows how the CIELCh color 53, 23.828, 159.821 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, 23.828, 159.821 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, 23.828, 159.821

Background



This preview shows how black text looks on a background with the CIELCh color 53, 23.828, 159.821.



This preview shows how white text looks on a background with the CIELCh color 53, 23.828, 159.821.

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, 23.828, 159.821

Protanopia
53, 11.888, 94.234

Deuteranopia
53, 9.325, 45.697



Tritanopia
53, 14.236, 225.033

Trichromacy



Original Color
53, 23.828, 159.821

Protanomaly
53, 13.775, 131.479

Deuteranomaly
52, 7.789, 124.456

Tritanomaly
53, 15.295, 193.511

Monochromacy



Original Color
53, 23.828, 159.821

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 8.617, 161.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 23.828, 159.821 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, 137, 112)` looks like.

```
.text, #text, p{  
    color:rgb(88, 137, 112)  
}
```

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, 137, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 137, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 23.828, 159.821 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, 137, 112) }
```

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

```
.border{ border-color:rgb(88, 137, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 137, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 137, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 137, 112);  
box-shadow:4px 4px 4px 4px rgb(88, 137,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 23.828, 159.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 137, 112) }
```

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

```
.background{ background-color: rgb(88, 137,  
112) }
```

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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