

Converting Colors

CIELCh(53, 12.471, 203.571)

Have a look what the booklet for
CIELCh(53, 12.471, 203.571)
contains.

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Color

CIELCh(53, 12.433, 203.573)

Conversions

Conversions Part 1

Format	Color
Hex	638587
RGB	99, 133, 135
RGB Percent	39%, 52%, 53%
CMY	0.6132, 0.4799, 0.4720
CMYK	0.27, 0.01, 0.00, 0.47
HSL	183°, 15%, 46%
HSV	183°, 27%, 53%
XYZ	17.7914, 21.0462, 25.9108
YIQ	123.0620, -20.9060, -6.5860

Conversions

Conversions Part 2

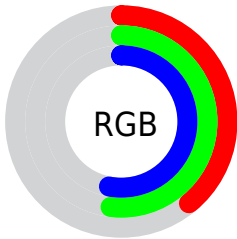
Format	Color
R_{YB}	99, 116, 135
Decimal	6522247
CIE _{Lab}	53.00, -11.40, -4.97
CIE _{LCh}	53, 12.433, 203.573
Yxy	21.0462, 0.2748, 0.3250
Android (android.graphics.Color)	4284712327 (0xFF638587)
YUV	123.0620, 5.8854, -21.1024
Hunter-Lab	45.8761, -11.0584, -1.3736

Details

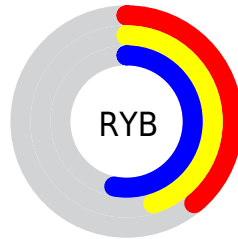
The CIELCh color `53, 12.433, 203.573` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `46, 14.859, 25.760`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `73, 12.303, 203.572`, and `33, 12.155, 203.765` is the 20% darker color. If you saturate the color by 10%, you get `52, 16.433, 203.413`, and if you desaturate by 10%, it is `54, 8.037, 203.817`.

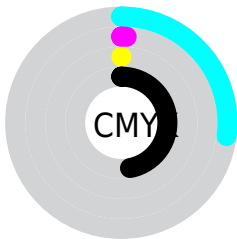
Distribution



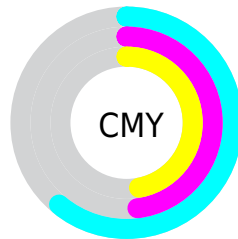
- Red (39%)
- Green (52%)
- Blue (53%)



- Red (39%)
- Yellow (45%)
- Blue (53%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (47%)





- Cyan (61%)
- Magenta (48%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 12.433, 203.573 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, 12.433, 203.573 by changing the saturation by 10% instead.


 53, 12.433,
203.573


 53, 12.433,
203.573


 100, 12.433,
203.573


 43, 12.433,
203.573


 73, 12.433,
203.573

 33, 12.433,
203.573

 83, 12.433,
203.573

 23, 12.433,
203.573

 93, 12.433,
203.573

 13, 12.433,
203.573

 3, 12.433, 203.573

 0, 12.433, 203.573

■ 53, 12.433,
203.573

■ 53, 12.433,
203.573

■ 52, 16.433,
203.413

■ 54, 8.037, 203.817

■ 51, 19.962,
203.360

■ 55, 3.319, 204.189

■ 50, 22.949,
203.427

■ 57, 1.648, 24.166

■ 50, 25.341,
203.629

■ 58, 6.803, 24.752

■ 49, 27.107,
203.984

■ 59, 12.091, 25.206

■ 49, 28.250,
204.507

■ 61, 17.467, 25.667

■ 48, 28.862,
205.190

■ 63, 22.895, 26.137

■ 48, 29.034,

■ 64, 28.345, 26.614

■ 66, 33.796, 27.093

Harmonies

Complementary

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



53, 12.433, 203.573



46, 14.859, 25.760

Rectangle

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



53, 12.433, 203.573



53, 12.433, 253.573



53, 12.433, 23.573



53, 12.433, 73.573

Sweetspot

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



53, 12.433, 203.568



71, 4.893, 204.121



53, 24.550, 144.044



37, 3.493, 204.063



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, 12.433, 203.568



67, 18.110, 203.463



48, 12.891, 264.605



27, 2.731, 204.081



47, 28.322, 205.386



1, 0.669, 204.314

Inverse Universe

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



47, 24.473, 327.412



58, 36.381, 327.736



51, 13.534, 77.304



26, 5.076, 326.434



30, 67.222, 330.499



0, 1.209, 325.962

Previews

White Background



This preview shows how the CIELCh color 53, 12.433, 203.573 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, 12.433, 203.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

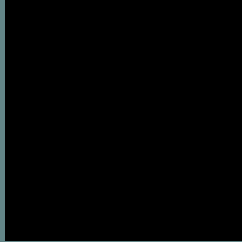
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 12.433, 203.573

Background



This preview shows how black text looks on a background with the CIELCh color 53, 12.433, 203.573.



This preview shows how white text looks on a background with the CIELCh color 53, 12.433, 203.573.

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, 12.433, 203.573

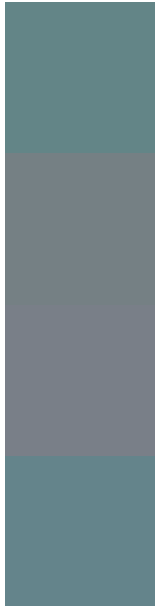
Protanopia
53, 3.017, 305.662

Deuteranopia
53, 9.215, 318.797



Tritanopia
53, 12.562, 229.120

Trichromacy



Original Color
53, 12.433, 203.573

Protanomaly
53, 4.771, 228.200

Deuteranomaly
53, 5.645, 266.893

Tritanomaly
53, 12.106, 218.019

Monochromacy



Original Color
53, 12.433, 203.573

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 5.043, 198.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 12.433, 203.573 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(99, 133, 135)` looks like.

```
.text, #text, p{  
    color:rgb(99, 133, 135)  
}
```

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(99, 133, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 133, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 12.433, 203.573 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(99, 133, 135) }
```

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

```
.border{ border-color:rgb(99, 133, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 133, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 133, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 133, 135);  
box-shadow:4px 4px 4px 4px rgb(99, 133,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 12.433, 203.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 133, 135) }
```

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

```
.background{ background-color: rgb(99, 133,  
135) }
```

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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