

Converting Colors

CIELCh(52, 24.649, 235.798)

Have a look what the booklet for
CIELCh(52, 24.649, 235.798)
contains.

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Color

CIELCh(52, 24.643, 236.034)

Conversions

Conversions Part 1

Format	Color
Hex	3F849E
RGB	63, 132, 158
RGB Percent	25%, 52%, 62%
CMY	0.7514, 0.4810, 0.3790
CMYK	0.60, 0.16, 0.00, 0.38
HSL	196°, 43%, 43%
HSV	196°, 60%, 62%
XYZ	16.5732, 20.1443, 35.5204
YIQ	114.3330, -49.4700, -6.5420

Conversions

Conversions Part 2

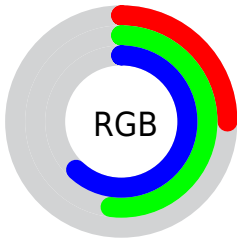
Format	Color
R _{YB}	63, 103, 158
Decimal	4162718
CIE _{Lab}	52.00, -13.77, -20.44
CIE _{LCh}	52, 24.643, 236.034
Y _{xy}	20.1443, 0.2294, 0.2789
Android (android.graphics.Color)	4282352798 (0xFF3F849E)
YUV	114.3330, 21.5278, -45.0190
Hunter-Lab	44.8824, -12.6317, -15.5050

Details

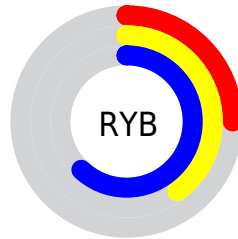
The CIELCh color **52, 24.643, 236.034** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **45, 37.492, 46.577**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 24.760, 236.532**, and **32, 23.521, 240.385** is the 20% darker color. If you saturate the color by 10%, you get **50, 27.309, 238.726**, and if you desaturate by 10%, it is **54, 21.492, 233.879**.

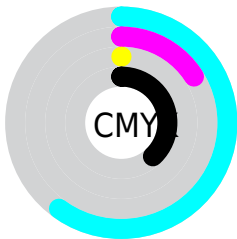
Distribution



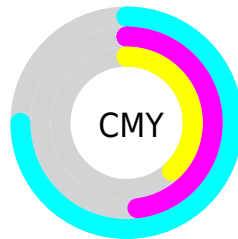
- Red (25%)
- Green (52%)
- Blue (62%)



- Red (25%)
- Yellow (40%)
- Blue (62%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)





- Cyan (75%)
- Magenta (48%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 24.643, 236.034 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, 24.643, 236.034 by changing the saturation by 10% instead.


 52, 24.643,
236.034


 52, 24.643,
236.034


 100, 24.643,
236.034

 42, 24.643,
236.034


 72, 24.643,
236.034

 32, 24.643,
236.034

 82, 24.643,
236.034

 22, 24.643,
236.034

 92, 24.643,
236.034

 12, 24.643,
236.034

 2, 24.643, 236.034

 0, 24.643, 236.034

■ 52, 24.643,
236.034

■ 52, 24.643,
236.034

■ 50, 27.309,
238.726

■ 54, 21.492,
233.879

■ 48, 29.503,
242.038

■ 56, 17.886,
232.177

■ 47, 31.285,
246.017

■ 58, 13.872,
230.844

■ 45, 32.859,
250.446

■ 61, 9.511, 229.813

■ 63, 4.864, 229.046

■ 45, 32.864,
250.458

■ 65, 0.014, 15.145

■ 68, 5.065, 47.763

■ 70, 10.253, 47.440

■ 73, 15.537, 47.177

Harmonies

Complementary

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



52, 24.643, 236.034



45, 37.492, 46.577

Rectangle

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



52, 24.643, 236.034



52, 24.643, 286.034



52, 24.643, 56.034



52, 24.643, 106.034

Sweetspot

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



52, 24.642, 236.033



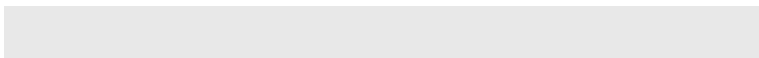
78, 10.689, 229.671



58, 51.958, 147.126



41, 7.433, 229.918



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



52, 24.642, 236.033



64, 34.241, 239.786



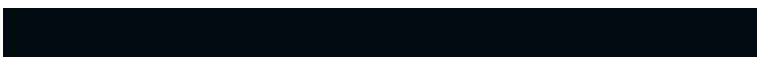
38, 44.725, 289.161



32, 2.759, 229.001



41, 30.375, 249.983



3, 3.664, 232.728

Inverse Universe

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



42, 51.468, 337.797



51, 72.366, 339.161



57, 41.449, 91.013



31, 5.040, 333.820



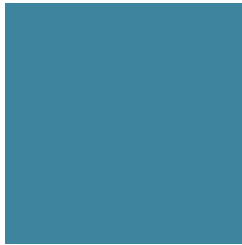
31, 61.206, 342.614



1, 6.382, 334.663

Previews

White Background



This preview shows how the CIE LCh color 52, 24.643, 236.034 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 CIELCh color 52, 24.643, 236.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

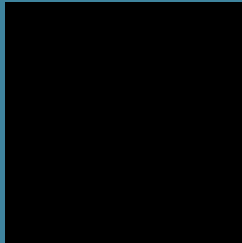
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 24.643, 236.034

Background



This preview shows how black text looks on a background with the CIELCh color 52, 24.643, 236.034.



This preview shows how white text looks on a background with the CIELCh color 52, 24.643, 236.034.

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, 24.643, 236.034

Protanopia

52, 16.918, 286.203

Deuteranopia

52, 23.303, 287.986



Tritanopia
52, 23.946, 211.423

Trichromacy



Original Color
52, 24.643, 236.034

Protanomaly
52, 18.476, 261.293

Deuteranomaly
51, 22.074, 267.109

Tritanomaly
52, 23.722, 220.748

Monochromacy



Original Color
52, 24.643, 236.034

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 10.704, 232.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 24.643, 236.034 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(63, 132, 158)` looks like.

```
.text, #text, p{  
    color:rgb(63, 132, 158)  
}
```

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(63, 132, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 132, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 24.643, 236.034 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(63, 132, 158) }
```

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

```
.border{ border-color:rgb(63, 132, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 132, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 132, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 132, 158);  
box-shadow:4px 4px 4px 4px rgb(63, 132,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 24.643, 236.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 132, 158) }
```

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

```
.background{ background-color: rgb(63, 132,  
158) }
```

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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