

Converting Colors

CIELCh(52, 24.008, 187.179)

Have a look what the booklet for
CIELCh(52, 24.008, 187.179)
contains.

CIELCh(52, 24.008, 187.179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 24.008, 187.179)

Conversions

Conversions Part 1

Format	Color
Hex	418780
RGB	65, 135, 128
RGB Percent	25%, 53%, 50%
CMY	0.7435, 0.4690, 0.4965
CMYK	0.52, 0.00, 0.05, 0.47
HSL	174°, 35%, 39%
HSV	174°, 52%, 53%
XYZ	14.8477, 20.1443, 23.6611
YIQ	113.2720, -39.4730, -17.0170

Conversions

Conversions Part 2

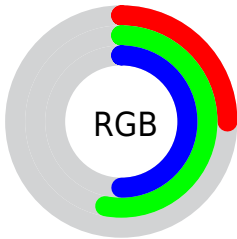
Format	Color
R _{YB}	65, 102, 135
Decimal	4294528
CIE Lab	52.00, -23.82, -3.00
CIE LCh	52, 24.008, 187.179
Yxy	20.1443, 0.2531, 0.3434
Android (android.graphics.Color)	4282484608 (0xFF418780)
YUV	113.2720, 7.2609, -42.3345
Hunter-Lab	44.8824, -19.4942, 0.1612

Details

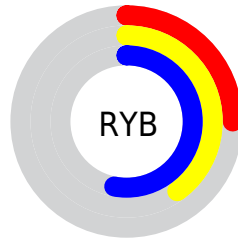
The CIELCh color **52, 24.008, 187.179** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **37, 32.131, 17.780**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 24.031, 187.013**, and **32, 23.840, 186.888** is the 20% darker color. If you saturate the color by 10%, you get **51, 27.274, 186.335**, and if you desaturate by 10%, it is **53, 20.188, 187.986**.

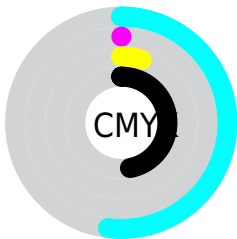
Distribution



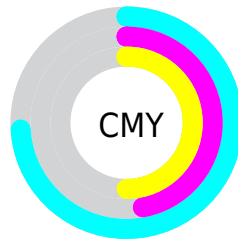
- Red (25%)
- Green (53%)
- Blue (50%)



- Red (25%)
- Yellow (40%)
- Blue (53%)



- Cyan (52%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)





- Cyan (74%)
- Magenta (47%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 24.008, 187.179 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, 24.008, 187.179 by changing the saturation by 10% instead.


 52, 24.008,
187.179


 52, 24.008,
187.179


 100, 24.008,
187.179


 42, 24.008,
187.179


 72, 24.008,
187.179

 32, 24.008,
187.179

 82, 24.008,
187.179

 22, 24.008,
187.179

 92, 24.008,
187.179

 12, 24.008,
187.179

 2, 24.008, 187.179

 0, 24.008, 187.179

■ 52, 24.008,
187.179

■ 52, 24.008,
187.179

■ 51, 27.274,
186.335

■ 53, 20.188,
187.986

■ 51, 29.934,
185.445

■ 53, 15.886,
188.773

■ 51, 31.967,
184.492

■ 54, 11.183,
189.549

■ 51, 33.388,
183.459

■ 55, 6.162, 190.332

■ 50, 34.299,
182.575

■ 56, 0.905, 191.455

■ 57, 4.519, 11.657

■ 59, 10.047, 12.433

■ 60, 15.630, 13.166

■ 62, 21.225, 13.880

Harmonies

Complementary

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



52, 24.008, 187.179



37, 32.131, 17.780

Rectangle

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



52, 24.008, 187.179



52, 24.008, 237.179



52, 24.008, 7.179



52, 24.008, 57.179

Sweetspot

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



52, 24.008, 187.177



70, 10.346, 189.964



51, 46.707, 137.906



37, 7.012, 189.826



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 24.008, 187.177



66, 33.645, 186.189



44, 20.616, 250.205



29, 3.030, 190.538



50, 33.777, 182.600



1, 1.432, 191.150

Inverse Universe

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



37, 32.131, 17.780



44, 48.447, 20.691



43, 26.715, 57.357



27, 3.171, 11.796



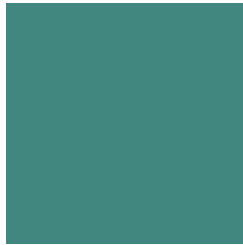
27, 60.061, 34.447



0, 1.432, 11.134

Previews

White Background



This preview shows how the CIE LCh color 52, 24.008, 187.179 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, 24.008, 187.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

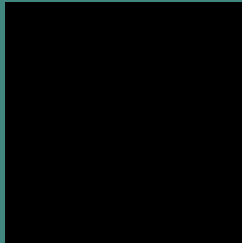
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 24.008, 187.179

Background



This preview shows how black text looks on a background with the CIELCh color 52, 24.008, 187.179.



This preview shows how white text looks on a background with the CIELCh color 52, 24.008, 187.179.

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, 24.008, 187.179

Protanopia

52, 1.664, 63.321

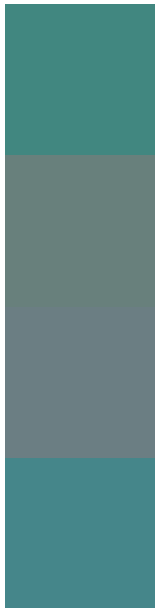
Deuteranopia

52, 8.252, 322.592



Tritanopia
52, 20.729, 215.703

Trichromacy



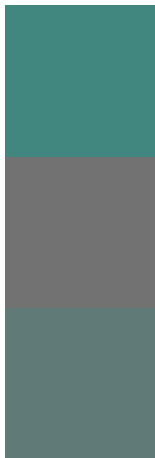
Original Color
52, 24.008, 187.179

Protanomaly
52, 9.552, 184.291

Deuteranomaly
51, 7.656, 221.183

Tritanomaly
52, 21.366, 203.658

Monochromacy



Original Color
52, 24.008, 187.179

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 10.160, 188.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 24.008, 187.179 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(65, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(65, 135, 128)  
}
```

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(65, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 135, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 24.008, 187.179 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(65, 135, 128) }
```

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

```
.border{ border-color:rgb(65, 135, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 135, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 135, 128);  
box-shadow:4px 4px 4px 4px rgb(65, 135,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 24.008, 187.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 135, 128) }
```

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

```
.background{ background-color: rgb(65, 135,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor