

Converting Colors

CIELCh(52, 22.214, 198.978)

Have a look what the booklet for
CIELCh(52, 22.214, 198.978)
contains.

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Color

CIELCh(52, 22.318, 198.737)

Conversions

Conversions Part 1

Format	Color
Hex	438788
RGB	67, 135, 136
RGB Percent	26%, 53%, 53%
CMY	0.7391, 0.4723, 0.4684
CMYK	0.51, 0.01, 0.00, 0.47
HSL	181°, 34%, 40%
HSV	181°, 51%, 53%
XYZ	15.2962, 20.1443, 26.2084
YIQ	114.7820, -40.8490, -14.1050

Conversions

Conversions Part 2

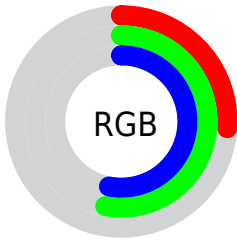
Format	Color
RYB	67, 101, 136
Decimal	4425608
CIELab	52.00, -21.14, -7.17
CIElCh	52, 22.318, 198.737
Yxy	20.1443, 0.2481, 0.3268
Android (android.graphics.Color)	4282615688 (0xFF438788)
YUV	114.7820, 10.4605, -41.9048
Hunter-Lab	44.8824, -17.7105, -3.2038

Details

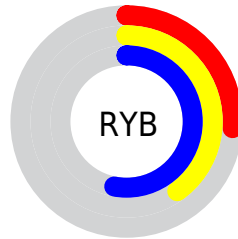
The CIELCh color **52, 22.318, 198.737** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **37, 32.081, 25.873**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 22.448, 197.685**, and **32, 22.365, 198.065** is the 20% darker color. If you saturate the color by 10%, you get **51, 25.214, 198.553**, and if you desaturate by 10%, it is **53, 18.838, 198.993**.

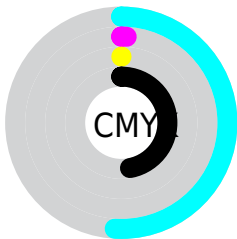
Distribution



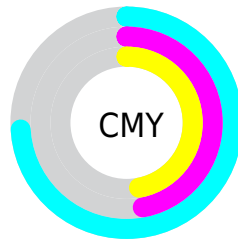
- Red (26%)
- Green (53%)
- Blue (53%)



- Red (26%)
- Yellow (40%)
- Blue (53%)



- Cyan (51%)
- Magenta (1%)
- Yellow (0%)
- Black (47%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 22.318, 198.737 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, 22.318, 198.737 by changing the saturation by 10% instead.


 52, 22.318,
198.737


 52, 22.318,
198.737


 100, 22.318,
198.737


 42, 22.318,
198.737


 72, 22.318,
198.737


 32, 22.318,
198.737

 82, 22.318,
198.737

 22, 22.318,
198.737

 92, 22.318,
198.737

 12, 22.318,
198.737

 2, 22.318, 198.737

 0, 22.318, 198.737

■ 52, 22.318,
198.737

■ 52, 22.318,
198.737

■ 51, 25.214,
198.553

■ 53, 18.838,
198.993

■ 51, 27.485,
198.452

■ 53, 14.837,
199.322

■ 51, 29.115,
198.434

■ 54, 10.392,
199.717

■ 50, 30.128,
198.500

■ 55, 5.580, 200.185

■ 50, 30.712,
198.606

■ 56, 0.480, 201.453

■ 58, 4.839, 21.011

■ 59, 10.312, 21.592

■ 60, 15.888, 22.161

■ 62, 21.523, 22.733

Harmonies

Complementary

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



52, 22.318, 198.737



37, 32.081, 25.873

Rectangle

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



52, 22.318, 198.737



52, 22.318, 248.737



52, 22.318, 18.737



52, 22.318, 68.737

Sweetspot

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



52, 22.318, 198.735



70, 9.375, 199.967



51, 47.666, 140.440



37, 6.412, 199.882



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, 22.318, 198.735



66, 30.967, 198.533



42, 23.045, 264.692



29, 2.934, 200.280



49, 30.227, 198.602



1, 1.393, 200.649

Inverse Universe

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



39, 46.972, 327.426



48, 67.451, 327.895



46, 26.586, 69.257



27, 5.388, 325.293



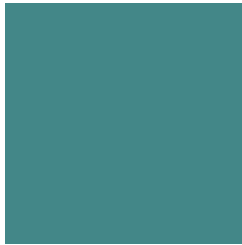
31, 70.335, 328.800



0, 2.487, 324.826

Previews

White Background



This preview shows how the CIELCh color 52, 22.318, 198.737 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, 22.318, 198.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

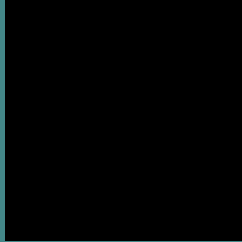
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 22.318, 198.737

Background



This preview shows how black text looks on a background with the CIELCh color 52, 22.318, 198.737.



This preview shows how white text looks on a background with the CIELCh color 52, 22.318, 198.737.

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, 22.318, 198.737

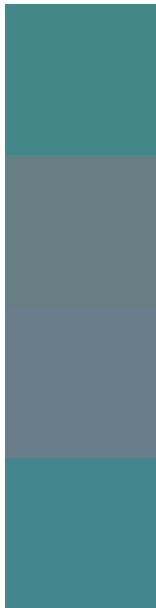
Protanopia
52, 2.942, 298.247

Deuteranopia
52, 11.527, 306.922



Tritanopia
52, 21.190, 215.256

Trichromacy



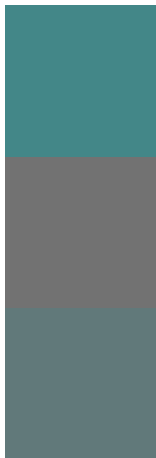
Original Color
52, 22.318, 198.737

Protanomaly
51, 9.197, 213.283

Deuteranomaly
51, 10.120, 247.571

Tritanomaly
52, 21.535, 208.385

Monochromacy



Original Color
52, 22.318, 198.737

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.119, 202.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 22.318, 198.737 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(67, 135, 136)` looks like.

```
.text, #text, p{  
    color:rgb(67, 135, 136)  
}
```

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(67, 135, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 135, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 22.318, 198.737 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(67, 135, 136) }
```

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

```
.border{ border-color:rgb(67, 135, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 135, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 135, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 135, 136);  
box-shadow:4px 4px 4px 4px rgb(67, 135,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 22.318, 198.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 135, 136) }
```

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

```
.background{ background-color: rgb(67, 135,  
136) }
```

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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