

Converting Colors

CIELCh(52, 34.245, 256.190)

Have a look what the booklet for
CIELCh(52, 34.245, 256.190)
contains.

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Color

CIELCh(52, 33.996, 255.841)

Conversions

Conversions Part 1

Format	Color
Hex	3083B4
RGB	48, 131, 180
RGB Percent	19%, 51%, 71%
CMY	0.8119, 0.4864, 0.2943
CMYK	0.73, 0.27, 0.00, 0.29
HSL	202°, 58%, 45%
HSV	202°, 73%, 71%
XYZ	17.5627, 20.1443, 46.1232
YIQ	111.7690, -65.1970, -2.3570

Conversions

Conversions Part 2

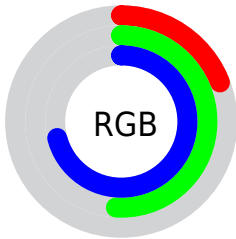
Format	Color
RYB	48, 99, 180
Decimal	3179444
CIELab	52.00, -8.32, -32.96
CIELCh	52, 33.996, 255.841
Yxy	20.1443, 0.2095, 0.2403
Android (android.graphics.Color)	4281369524 (0xFF3083B4)
YUV	111.7690, 33.6379, -55.9254
Hunter-Lab	44.8824, -8.6964, -29.5114

Details

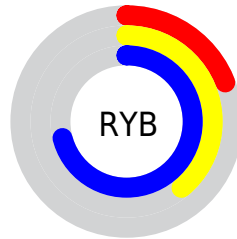
The CIELCh color `52, 33.996, 255.841` is a dark color, and the websafe version is hex `3399CC`. A complement of this color would be `50, 51.208, 54.577`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `72, 33.971, 255.594`, and `33, 31.474, 263.748` is the 20% darker color. If you saturate the color by 10%, you get `50, 37.375, 260.051`, and if you desaturate by 10%, it is `55, 30.345, 252.249`.

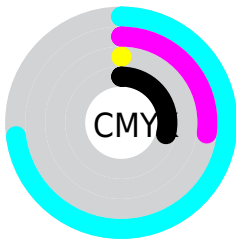
Distribution



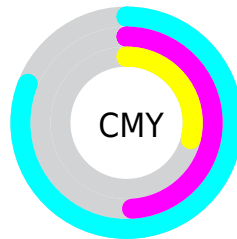
- Red (19%)
- Green (51%)
- Blue (71%)



- Red (19%)
- Yellow (39%)
- Blue (71%)



- Cyan (73%)
- Magenta (27%)
- Yellow (0%)
- Black (29%)



- Cyan (81%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 33.996, 255.841 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, 33.996, 255.841 by changing the saturation by 10% instead.

■ 52, 33.996,
255.841

■ 52, 33.996,
255.841

■ 100, 33.996,
255.841

■ 42, 33.996,
255.841

■ 72, 33.996,
255.841

■ 32, 33.996,
255.841

■ 82, 33.996,
255.841

■ 22, 33.996,
255.841

■ 92, 33.996,
255.841

■ 12, 33.996,
255.841

■ 2, 33.996, 255.841

■ 0, 33.996, 255.841

■ 52, 33.996,
255.841

■ 52, 33.996,
255.841

■ 50, 37.375,
260.051

■ 55, 30.345,
252.249

■ 47, 40.597,
264.817

■ 57, 26.361,
249.253

■ 46, 42.772,
268.062

■ 60, 22.031,
246.790

■ 63, 17.372,
244.783

■ 66, 12.424,
243.154

■ 69, 7.233, 241.844

■ 72, 1.846, 240.927

■ 75, 3.691, 59.684

Harmonies

Complementary

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



52, 33.996, 255.841



50, 51.208, 54.577

Rectangle

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



52, 33.996, 255.841



52, 33.996, 305.841



52, 33.996, 75.841



52, 33.996, 125.841

Sweetspot

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



52, 33.995, 255.842



84, 14.547, 243.013



65, 62.816, 148.653



44, 9.715, 243.404



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



52, 33.995, 255.842



62, 48.012, 262.927



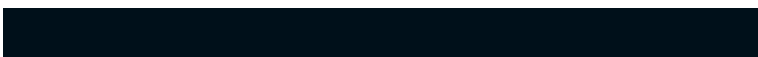
33, 70.799, 297.845



36, 3.068, 241.403



39, 37.604, 267.347



4, 7.916, 253.380

Inverse Universe

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



43, 61.891, 344.740



53, 82.042, 347.831



66, 58.641, 96.134



35, 5.200, 337.950



33, 60.676, 350.018



2, 11.541, 342.668

Previews

White Background



This preview shows how the CIE LCh color 52, 33.996, 255.841 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, 33.996, 255.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

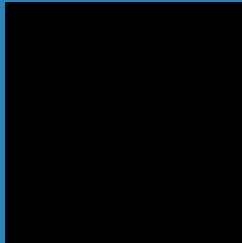
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 33.996, 255.841

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.996, 255.841.

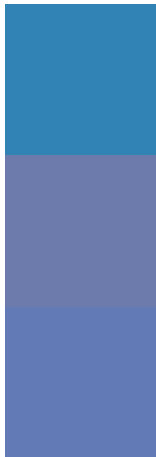


This preview shows how white text looks on a background with the CIELCh color 52, 33.996, 255.841.

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, 33.996, 255.841

Protanopia
52, 29.226, 284.816

Deuteranopia
52, 34.711, 281.769



Tritanopia
52, 29.808, 209.257

Trichromacy



Original Color
52, 33.996, 255.841

Protanomaly
52, 30.712, 271.407

Deuteranomaly
52, 33.797, 271.172

Tritanomaly
52, 29.442, 227.133

Monochromacy



Original Color
52, 33.996, 255.841

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 14.606, 245.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.996, 255.841 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(48, 131, 180)` looks like.

```
.text, #text, p{  
    color:rgb(48, 131, 180)  
}
```

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(48, 131, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 131, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.996, 255.841 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(48, 131, 180) }
```

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

```
.border{ border-color:rgb(48, 131, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 131, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 131, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 131, 180);  
box-shadow:4px 4px 4px 4px rgb(48, 131,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.996, 255.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 131, 180) }
```

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

```
.background{ background-color: rgb(48, 131,  
180) }
```

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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