

Converting Colors

CIELCh(52, 32.171, 266.853)

Have a look what the booklet for
CIELCh(52, 32.171, 266.853)
contains.

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Color

CIELCh(52, 32.158, 266.807)

Conversions

Conversions Part 1

Format	Color
Hex	4D80B3
RGB	77, 128, 179
RGB Percent	30%, 50%, 70%
CMY	0.6996, 0.4994, 0.2996
CMYK	0.57, 0.29, 0.00, 0.30
HSL	210°, 40%, 50%
HSV	210°, 57%, 70%
XYZ	18.7977, 20.1443, 45.3399
YIQ	118.5650, -46.7670, 5.0490

Conversions

Conversions Part 2

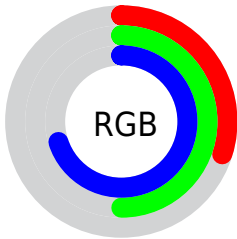
Format	Color
R_{YB}	77, 111, 179
Decimal	5079219
CIE _{Lab}	52.00, -1.79, -32.11
CIE _{LCh}	52, 32.158, 266.807
Yxy	20.1443, 0.2230, 0.2390
Android (android.graphics.Color)	4283269299 (0xFF4D80B3)
YUV	118.5650, 29.7945, -36.4525
Hunter-Lab	44.8824, -3.7847, -28.4767

Details

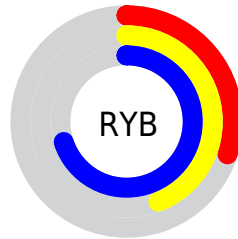
The CIELCh color `52, 32.158, 266.807` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `57, 37.920, 68.284`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 32.008, 266.403`, and `32, 32.253, 267.088` is the 20% darker color. If you saturate the color by 10%, you get `49, 37.466, 270.156`, and if you desaturate by 10%, it is `55, 26.761, 263.939`.

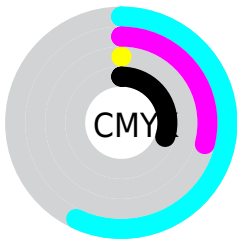
Distribution



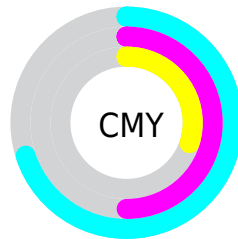
- Red (30%)
- Green (50%)
- Blue (70%)



- Red (30%)
- Yellow (44%)
- Blue (70%)



- Cyan (57%)
- Magenta (29%)
- Yellow (0%)
- Black (30%)





- Cyan (70%)
- Magenta (50%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 32.158, 266.807 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, 32.158, 266.807 by changing the saturation by 10% instead.


 52, 32.158,
266.807


 52, 32.158,
266.807


 100, 32.158,
266.807


 42, 32.158,
266.807


 72, 32.158,
266.807

 32, 32.158,
266.807

 82, 32.158,
266.807

 22, 32.158,
266.807

 92, 32.158,
266.807

 12, 32.158,
266.807

 2, 32.158, 266.807

 0, 32.158, 266.807

■ 52, 32.158,
266.807

■ 52, 32.158,
266.807

■ 49, 37.466,
270.156

■ 55, 26.761,
263.939

■ 45, 42.737,
273.985

■ 59, 21.255,
261.513

■ 42, 48.049,
278.228

■ 63, 15.640,
259.472

■ 39, 53.495,
282.698

■ 66, 9.932, 257.763

■ 70, 4.151, 256.358

■ 39, 55.116,
283.918

■ 74, 1.680, 74.844

■ 78, 7.539, 73.949

■ 81, 13.407, 73.066

■ 85, 19.267, 72.292

Harmonies

Complementary

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



52, 32.158, 266.807



57, 37.920, 68.284

Rectangle

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



52, 32.158, 266.807



52, 32.158, 316.807



52, 32.158, 86.807



52, 32.158, 136.807

Sweetspot

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



52, 32.157, 266.807



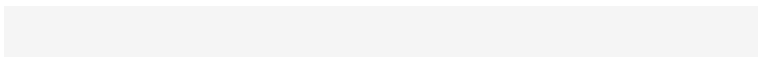
84, 12.204, 257.791



66, 45.830, 156.588



44, 8.220, 258.106



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, 32.157, 266.807



61, 47.536, 271.279



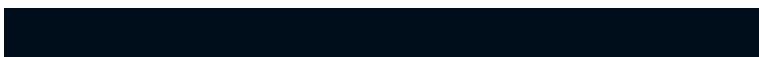
38, 61.086, 298.273



36, 3.299, 256.639



33, 48.582, 283.318



3, 8.798, 266.056

Inverse Universe

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



47, 47.734, 350.035



56, 68.246, 352.550



71, 52.041, 104.122



35, 4.757, 344.354



32, 57.953, 1.284



2, 10.607, 349.844

Previews

White Background



This preview shows how the CIE LCh color 52, 32.158, 266.807 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, 32.158, 266.807 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, 32.158, 266.807

Background



This preview shows how black text looks on a background with the CIELCh color 52, 32.158, 266.807.

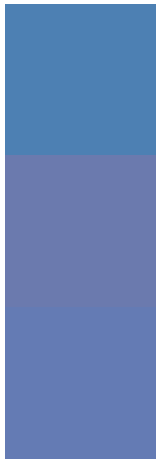


This preview shows how white text looks on a background with the CIELCh color 52, 32.158, 266.807.

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, 32.158, 266.807

Protanopia
52, 30.395, 284.778

Deuteranopia
52, 33.505, 282.053



Tritanopia
52, 22.737, 213.868

Trichromacy



Original Color
52, 32.158, 266.807

Protanomaly
52, 30.993, 277.712

Deuteranomaly
52, 32.433, 275.684

Tritanomaly
52, 23.546, 236.358

Monochromacy



Original Color
52, 32.158, 266.807

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 12.353, 257.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 32.158, 266.807 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(77, 128, 179)` looks like.

```
.text, #text, p{  
    color:rgb(77, 128, 179)  
}
```

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(77, 128, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 32.158, 266.807 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(77, 128, 179) }
```

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

```
.border{ border-color:rgb(77, 128, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 128, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 128, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 128, 179);  
box-shadow:4px 4px 4px 4px rgb(77, 128,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 32.158, 266.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 179) }
```

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

```
.background{ background-color: rgb(77, 128,  
179) }
```

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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