

Converting Colors

CIELCh(52, 27.796, 236.946)

Have a look what the booklet for
CIELCh(52, 27.796, 236.946)
contains.

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Color

CIELCh(52, 27.796, 236.946)

Conversions

Conversions Part 1

Format	Color
Hex	3185A3
RGB	49, 133, 163
RGB Percent	19%, 52%, 64%
CMY	0.8067, 0.4776, 0.3599
CMYK	0.70, 0.18, 0.00, 0.36
HSL	196°, 54%, 42%
HSV	196°, 70%, 64%
XYZ	16.3265, 20.1443, 37.7797
YIQ	111.3040, -59.6940, -8.4780

Conversions

Conversions Part 2

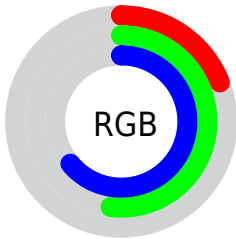
Format	Color
R_{YB}	49, 97, 163
Decimal	3245475
CIE _{Lab}	52.00, -15.16, -23.30
CIE _{LCh}	52, 27.796, 236.946
Yxy	20.1443, 0.2199, 0.2713
Android (android.graphics.Color)	4281435555 (0xFF3185A3)
YUV	111.3040, 25.4861, -54.6406
Hunter-Lab	44.8824, -13.6127, -18.4896

Details

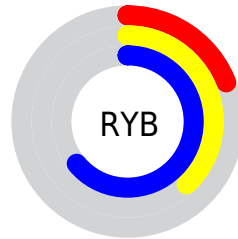
The CIELCh color `52, 27.796, 236.946` is a dark color, and the websafe version is hex `3399CC`. A complement of this color would be `44, 46.475, 45.890`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `72, 27.890, 237.097`, and `33, 24.548, 244.359` is the 20% darker color. If you saturate the color by 10%, you get `50, 29.963, 240.159`, and if you desaturate by 10%, it is `54, 25.120, 234.346`.

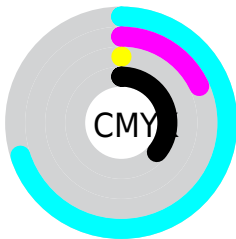
Distribution



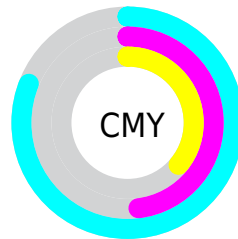
- Red (19%)
- Green (52%)
- Blue (64%)



- Red (19%)
- Yellow (38%)
- Blue (64%)



- Cyan (70%)
- Magenta (18%)
- Yellow (0%)
- Black (36%)





- Cyan (81%)
- Magenta (48%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 27.796, 236.946 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, 27.796, 236.946 by changing the saturation by 10% instead.


 52, 27.796,
236.946


 52, 27.796,
236.946


 100, 27.796,
236.946


 42, 27.796,
236.946


 72, 27.796,
236.946

 32, 27.796,
236.946

 82, 27.796,
236.946

 22, 27.796,
236.946

 92, 27.796,
236.946

 12, 27.796,
236.946

 2, 27.796, 236.946

 0, 27.796, 236.946

■ 52, 27.796,
236.946

■ 52, 27.796,
236.946

■ 50, 29.963,
240.159

■ 54, 25.120,
234.346

■ 49, 31.684,
244.040

■ 56, 21.931,
232.276

■ 47, 33.157,
248.407

■ 58, 18.258,
230.649

■ 47, 33.187,
248.491

■ 60, 14.155,
229.384

■ 62, 9.685, 228.413

■ 65, 4.914, 227.701

■ 67, 0.098, 42.449

■ 70, 5.297, 46.510

■ 72, 10.636, 46.226

Harmonies

Complementary

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



52, 27.796, 236.946



44, 46.475, 45.890

Rectangle

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



52, 27.796, 236.946



52, 27.796, 286.946



52, 27.796, 56.946



52, 27.796, 106.946

Sweetspot

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



52, 27.795, 236.946



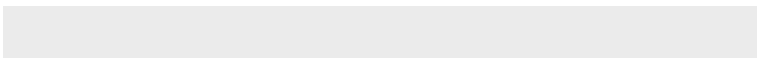
79, 12.636, 228.550



59, 61.294, 145.048



41, 8.557, 228.789



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



52, 27.795, 236.946



63, 37.609, 242.307



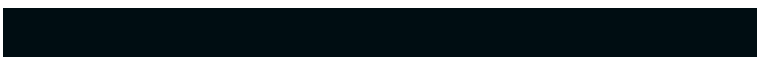
35, 52.957, 291.051



33, 2.839, 227.671



42, 30.390, 247.979



3, 4.474, 233.825

Inverse Universe

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



41, 59.355, 338.264



49, 79.877, 340.054



57, 48.182, 88.436



32, 5.214, 333.412



32, 62.423, 341.931



1, 7.746, 335.027

Previews

White Background



This preview shows how the CIE LCh color 52, 27.796, 236.946 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, 27.796, 236.946 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, 27.796, 236.946

Background



This preview shows how black text looks on a background with the CIELCh color 52, 27.796, 236.946.

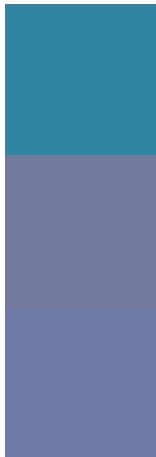


This preview shows how white text looks on a background with the CIELCh color 52, 27.796, 236.946.

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, 27.796, 236.946

Protanopia

52, 19.280, 285.232

Deuteranopia

52, 25.672, 285.828



Tritanopia
52, 27.282, 210.656

Trichromacy



Original Color
52, 27.796, 236.946

Protanomaly
51, 21.360, 260.128

Deuteranomaly
52, 24.954, 265.079

Tritanomaly
52, 26.846, 220.387

Monochromacy



Original Color
52, 27.796, 236.946

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 12.656, 229.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 27.796, 236.946 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(49, 133, 163)` looks like.

```
.text, #text, p{  
    color:rgb(49, 133, 163)  
}
```

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(49, 133, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 133, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 27.796, 236.946 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(49, 133, 163) }
```

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

```
.border{ border-color:rgb(49, 133, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 133, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 133, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 133, 163);  
box-shadow:4px 4px 4px 4px rgb(49, 133,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 27.796, 236.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 133, 163) }
```

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

```
.background{ background-color: rgb(49, 133,  
163) }
```

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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