

Converting Colors

CIELCh(52, 29.654, 241.880)

Have a look what the booklet for
CIELCh(52, 29.654, 241.880)
contains.

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Color

CIELCh(52, 29.591, 241.665)

Conversions

Conversions Part 1

Format	Color
Hex	2D85A8
RGB	45, 133, 168
RGB Percent	18%, 52%, 66%
CMY	0.8238, 0.4786, 0.3414
CMYK	0.73, 0.21, 0.00, 0.34
HSL	197°, 58%, 42%
HSV	197°, 73%, 66%
XYZ	16.5240, 20.1443, 40.0397
YIQ	110.6780, -63.6830, -7.7710

Conversions

Conversions Part 2

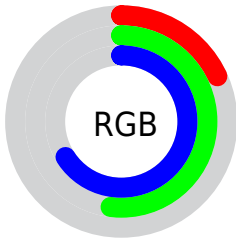
Format	Color
R_{YB}	45, 96, 168
Decimal	2983336
CIE _{Lab}	52.00, -14.04, -26.05
CIE _{LCh}	52, 29.591, 241.665
Y _{xy}	20.1443, 0.2154, 0.2626
Android (android.graphics.Color)	4281173416 (0xFF2D85A8)
YUV	110.6780, 28.2597, -57.5996
Hunter-Lab	44.8824, -12.8273, -21.4750




Details

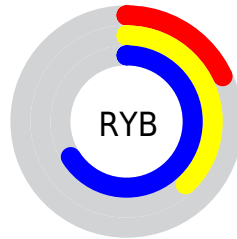
The CIELCh color **52, 29.591, 241.665** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **45, 49.939, 47.578**, and the grayscale version is **47, 0.006, 296.813**.




A 20% lighter version of the original color is **72, 29.448, 241.727**, and **33, 26.310, 250.926** is the 20% darker color. If you saturate the color by 10%, you get **50, 31.821, 245.335**, and if you desaturate by 10%, it is **54, 26.900, 238.648**.

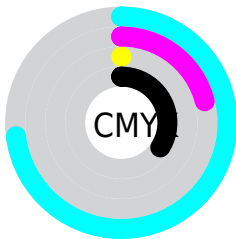
Distribution







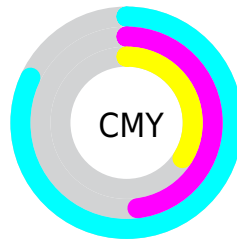
-  Red (18%)
-  Green (52%)
-  Blue (66%)






-  Red (18%)
-  Yellow (38%)
-  Blue (66%)



-  Cyan (73%)
-  Magenta (21%)
-  Yellow (0%)
-  Black (34%)





-  Cyan (82%)
-  Magenta (48%)
-  Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 29.591, 241.665 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, 29.591, 241.665 by changing the saturation by 10% instead.


 52, 29.591,
241.665


 52, 29.591,
241.665


 100, 29.591,
241.665


 42, 29.591,
241.665


 72, 29.591,
241.665

 32, 29.591,
241.665

 82, 29.591,
241.665

 22, 29.591,
241.665

 92, 29.591,
241.665

 12, 29.591,
241.665

 2, 29.591, 241.665

 0, 29.591, 241.665

■ 52, 29.591,
241.665

■ 52, 29.591,
241.665

■ 50, 31.821,
245.335

■ 54, 26.900,
238.648

■ 48, 33.685,
249.675

■ 56, 23.720,
236.214

■ 47, 34.884,
252.782

■ 58, 20.062,
234.277

■ 61, 15.969,
232.749

■ 63, 11.500,
231.555

■ 65, 6.717, 230.640

■ 68, 1.680, 230.106

■ 71, 3.554, 49.140

Harmonies

Complementary

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



52, 29.591, 241.665



45, 49.939, 47.578

Rectangle

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



52, 29.591, 241.665



52, 29.591, 291.665



52, 29.591, 61.665



52, 29.591, 111.665

Sweetspot

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



52, 29.590, 241.665



81, 13.555, 231.468



61, 63.517, 145.603



42, 9.031, 231.741



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



52, 29.590, 241.665



63, 40.313, 248.027



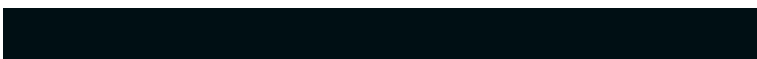
34, 59.917, 293.913



34, 2.901, 230.355



42, 31.641, 252.212



3, 5.397, 238.764

Inverse Universe

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



41, 61.721, 339.739



50, 82.026, 341.919



60, 52.394, 90.442



33, 5.268, 334.247



33, 62.321, 343.406



2, 9.052, 336.726

Previews

White Background



This preview shows how the CIELCh color 52, 29.591, 241.665 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 CIE LCh color 52, 29.591, 241.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

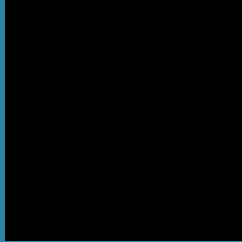
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 29.591, 241.665

Background



This preview shows how black text looks on a background with the CIELCh color 52, 29.591, 241.665.

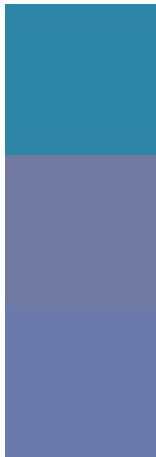


This preview shows how white text looks on a background with the CIELCh color 52, 29.591, 241.665.

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, 29.591, 241.665

Protanopia
52, 22.213, 284.916

Deuteranopia
52, 28.660, 284.537



Tritanopia
52, 28.735, 209.822

Trichromacy



Original Color
52, 29.591, 241.665

Protanomaly
51, 24.107, 262.856

Deuteranomaly
52, 27.837, 266.639

Tritanomaly
52, 28.190, 220.414

Monochromacy



Original Color
52, 29.591, 241.665

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 13.448, 233.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 29.591, 241.665 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(45, 133, 168)` looks like.

```
.text, #text, p{  
    color:rgb(45, 133, 168)  
}
```

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(45, 133, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 133, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 29.591, 241.665 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(45, 133, 168) }
```

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

```
.border{ border-color:rgb(45, 133, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 133, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 133, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 133, 168);  
box-shadow:4px 4px 4px 4px rgb(45, 133,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 29.591, 241.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 133, 168) }
```

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

```
.background{ background-color: rgb(45, 133,  
168) }
```

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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