

Converting Colors

CIELCh(53, 29.519, 234.297)

Have a look what the booklet for
CIELCh(53, 29.519, 234.297)
contains.

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Color

CIELCh(53, 29.500, 233.951)

Conversions

Conversions Part 1

Format	Color
Hex	2789A7
RGB	39, 137, 167
RGB Percent	15%, 54%, 65%
CMY	0.8482, 0.4635, 0.3459
CMYK	0.77, 0.18, 0.00, 0.35
HSL	194°, 62%, 40%
HSV	194°, 77%, 65%
XYZ	16.7014, 21.0462, 39.6467
YIQ	111.1180, -68.0380, -11.4460

Conversions

Conversions Part 2

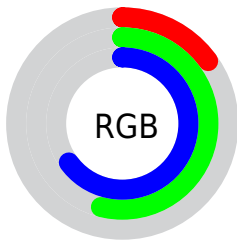
Format	Color
R _Y B	39, 95, 167
Decimal	2591143
CIE Lab	53.00, -17.36, -23.85
CIE LCh	53, 29.500, 233.951
Yxy	21.0462, 0.2158, 0.2719
Android (android.graphics.Color)	4280781223 (0xFF2789A7)
YUV	111.1180, 27.5498, -63.2475
Hunter-Lab	45.8761, -15.2996, -19.1258

Details

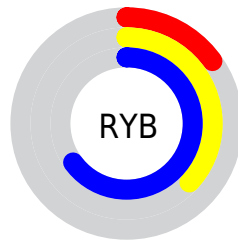
The CIELCh color **53, 29.500, 233.951** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **42, 53.860, 44.102**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 29.497, 234.357**, and **34, 24.994, 242.783** is the 20% darker color. If you saturate the color by 10%, you get **52, 31.128, 237.289**, and if you desaturate by 10%, it is **55, 27.327, 231.243**.

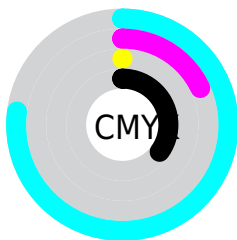
Distribution



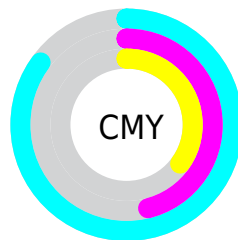
- Red (15%)
- Green (54%)
- Blue (65%)



- Red (15%)
- Yellow (37%)
- Blue (65%)



- Cyan (77%)
- Magenta (18%)
- Yellow (0%)
- Black (35%)





- Cyan (85%)
- Magenta (46%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 29.500, 233.951 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 53, 29.500, 233.951 by changing the saturation by 10% instead.


 53, 29.500,
233.951


 53, 29.500,
233.951


 100, 29.500,
233.951


 43, 29.500,
233.951


 73, 29.500,
233.951

 33, 29.500,
233.951

 83, 29.500,
233.951

 23, 29.500,
233.951

 93, 29.500,
233.951

 13, 29.500,
233.951

 3, 29.500, 233.951

 0, 29.500, 233.951

■ 53, 29.500,
233.951

■ 53, 29.500,
233.951

■ 52, 31.128,
237.289

■ 55, 27.327,
231.243

■ 50, 32.332,
241.254

■ 56, 24.578,
229.091

■ 50, 32.709,
242.548

■ 58, 21.264,
227.408

■ 60, 17.433,
226.111

■ 62, 13.152,
225.126

■ 65, 8.491, 224.398

■ 67, 3.521, 223.921

■ 69, 1.693, 43.112

Harmonies

Complementary

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



53, 29.500, 233.951



42, 53.860, 44.102

Rectangle

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



53, 29.500, 233.951



53, 29.500, 283.951



53, 29.500, 53.951



53, 29.500, 103.951

Sweetspot

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



53, 29.499, 233.951



80, 14.121, 224.854



60, 67.991, 143.353



42, 9.744, 225.136



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



53, 29.499, 233.951



65, 38.872, 239.971



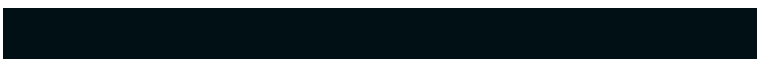
34, 58.509, 292.317



34, 2.938, 224.009



44, 29.883, 242.063



4, 5.388, 231.728

Inverse Universe

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



40, 65.131, 337.518



50, 84.747, 339.394



57, 52.540, 86.103



33, 5.461, 332.304



33, 64.496, 340.046



2, 9.433, 334.335

Previews

White Background



This preview shows how the CIE LCh color 53, 29.500, 233.951 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 53, 29.500, 233.951 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 53, 29.500, 233.951

Background



This preview shows how black text looks on a background with the CIELCh color 53, 29.500, 233.951.

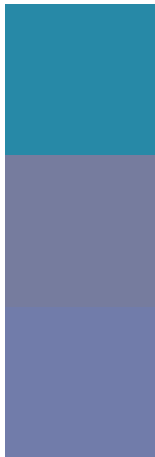


This preview shows how white text looks on a background with the CIELCh color 53, 29.500, 233.951.

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

53, 29.500, 233.951

Protanopia

53, 19.766, 286.485

Deuteranopia

53, 26.771, 285.587



Tritanopia
53, 29.792, 209.249

Trichromacy



Original Color
53, 29.500, 233.951

Protanomaly
52, 22.029, 256.701

Deuteranomaly
52, 26.062, 262.398

Tritanomaly
53, 29.215, 218.137

Monochromacy



Original Color
53, 29.500, 233.951

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 13.766, 226.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 29.500, 233.951 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(39, 137, 167)` looks like.

```
.text, #text, p{  
    color:rgb(39, 137, 167)  
}
```

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(39, 137, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 137, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 29.500, 233.951 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(39, 137, 167) }
```

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

```
.border{ border-color:rgb(39, 137, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 137, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 137, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 137, 167);  
box-shadow:4px 4px 4px 4px rgb(39, 137,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 29.500, 233.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 137, 167) }
```

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

```
.background{ background-color: rgb(39, 137,  
167) }
```

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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