

Converting Colors

CIELCh(53, 31.545, 228.818)

Have a look what the booklet for
CIELCh(53, 31.545, 228.818)
contains.

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Color

CIELCh(53, 31.624, 229.652)

Conversions

Conversions Part 1

Format	Color
Hex	048AA7
RGB	4, 138, 167
RGB Percent	2%, 54%, 65%
CMY	0.9854, 0.4581, 0.3444
CMYK	0.98, 0.17, 0.00, 0.34
HSL	191°, 96%, 34%
HSV	191°, 98%, 66%
XYZ	16.1504, 21.0462, 39.8555
YIQ	101.2400, -89.1730, -19.3890

Conversions

Conversions Part 2

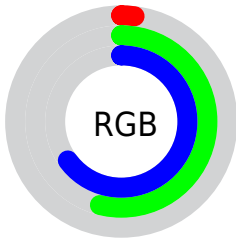
Format	Color
RYB	4, 78, 167
Decimal	297639
CIELab	53.00, -20.47, -24.10
CIELCh	53, 31.624, 229.652
Yxy	21.0462, 0.2096, 0.2731
Android (android.graphics.Color)	4278487719 (0xFF048AA7)
YUV	101.2400, 32.4197, -85.2795
Hunter-Lab	45.8761, -17.4434, -19.3957

Details

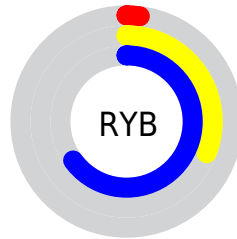
The CIELCh color **53, 31.624, 229.652** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **37, 71.303, 42.658**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 31.482, 229.128**, and **34, 24.814, 241.007** is the 20% darker color. If you saturate the color by 10%, you get **53, 31.773, 230.347**, and if you desaturate by 10%, it is **54, 30.895, 226.589**.

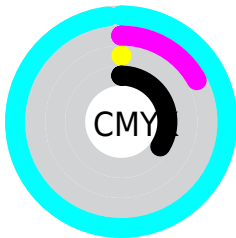
Distribution



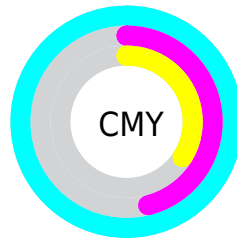
- Red (2%)
- Green (54%)
- Blue (65%)



- Red (2%)
- Yellow (31%)
- Blue (65%)



- Cyan (98%)
- Magenta (17%)
- Yellow (0%)
- Black (34%)





- Cyan (99%)
- Magenta (46%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 31.624, 229.652 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, 31.624, 229.652 by changing the saturation by 10% instead.


 53, 31.624,
229.652


 53, 31.624,
229.652


 100, 31.624,
229.652


 43, 31.624,
229.652


 73, 31.624,
229.652

 33, 31.624,
229.652

 83, 31.624,
229.652

 23, 31.624,
229.652

 93, 31.624,
229.652

 13, 31.624,
229.652

 3, 31.624, 229.652

 0, 31.624, 229.652

■ 53, 31.624,
229.652

■ 53, 31.624,
229.652

■ 53, 31.773,
230.347

■ 54, 30.895,
226.589

■ 55, 29.651,
224.046

■ 57, 27.766,
222.026

■ 58, 25.213,
220.458

■ 60, 22.018,
219.269

■ 61, 18.236,
218.391

■ 63, 13.943,
217.766

■ 65, 9.218, 217.349

Harmonies

Complementary

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



53, 31.624, 229.652



37, 71.303, 42.658

Rectangle

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



53, 31.624, 229.652



53, 31.624, 279.652



53, 31.624, 49.652



53, 31.624, 99.652

Sweetspot

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



53, 31.623, 229.652



80, 17.869, 217.859



60, 82.347, 138.275



41, 12.167, 218.104



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, 31.623, 229.652



67, 38.579, 231.042



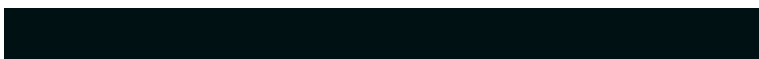
29, 69.042, 295.610



35, 3.020, 217.151



47, 29.031, 229.963



4, 5.481, 223.508

Inverse Universe

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



38, 73.181, 336.542



49, 88.903, 336.923



52, 59.495, 76.350



33, 5.686, 330.281



33, 67.210, 336.636



2, 9.904, 331.744

Previews

White Background



This preview shows how the CIELCh color 53, 31.624, 229.652 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, 31.624, 229.652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

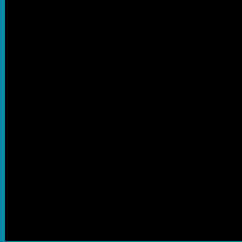
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 31.624, 229.652

Background



This preview shows how black text looks on a background with the CIELCh color 53, 31.624, 229.652.

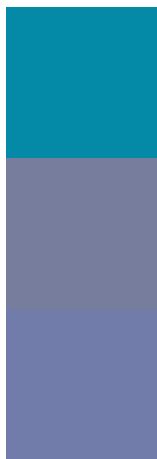


This preview shows how white text looks on a background with the CIELCh color 53, 31.624, 229.652.

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

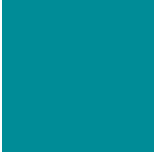
53, 31.589, 229.696

Protanopia

53, 18.628, 284.840

Deuteranopia

53, 26.771, 285.587



Tritanopia
53, 30.963, 208.673

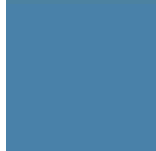
Trichromacy



Original Color
53, 31.589, 229.696



Protanomaly
52, 23.772, 248.059



Deuteranomaly
52, 27.625, 256.465



Tritanomaly
53, 30.742, 216.919

Monochromacy



Original Color
53, 31.589, 229.696



Achromatopsia
43, 0.006, 296.813



Achromatomaly
45, 17.370, 217.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 31.624, 229.652 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(4, 138, 167)` looks like.

```
.text, #text, p{  
    color:rgb(4, 138, 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(4, 138, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 138, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 31.624, 229.652 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(4, 138, 167) }
```

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

```
.border{ border-color:rgb(4, 138, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 138, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 138, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 138, 167);  
box-shadow:4px 4px 4px 4px rgb(4, 138,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 31.624, 229.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 138, 167) }
```

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

```
.background{ background-color: rgb(4, 138,  
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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