

Converting Colors

CIELCh(56, 30.045, 225.004)

Have a look what the booklet for
CIELCh(56, 30.045, 225.004)
contains.

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Color

CIELCh(56, 29.991, 224.819)

Conversions

Conversions Part 1

Format	Color
Hex	2692AA
RGB	38, 146, 170
RGB Percent	15%, 57%, 67%
CMY	0.8502, 0.4270, 0.3329
CMYK	0.78, 0.14, 0.00, 0.33
HSL	191°, 63%, 41%
HSV	191°, 78%, 67%
XYZ	18.3672, 23.9124, 41.7318
YIQ	116.4440, -72.0720, -15.4320

Conversions

Conversions Part 2

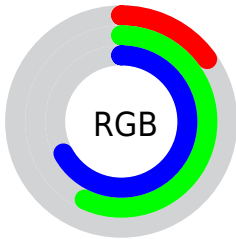
Format	Color
R _Y B	38, 97, 170
Decimal	2527914
CIE Lab	56.00, -21.27, -21.14
CIE LCh	56, 29.991, 224.819
Yxy	23.9124, 0.2186, 0.2846
Android (android.graphics.Color)	4280717994 (0xFF2692AA)
YUV	116.4440, 26.4031, -68.7954
Hunter-Lab	48.9003, -18.5302, -16.3681

Details

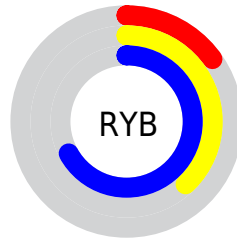
The CIELCh color **56, 29.991, 224.819** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **41, 56.915, 40.943**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 29.912, 224.682**, and **37, 24.733, 232.820** is the 20% darker color. If you saturate the color by 10%, you get **55, 31.278, 227.432**, and if you desaturate by 10%, it is **57, 28.056, 222.739**.

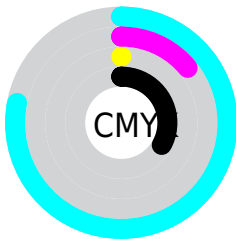
Distribution



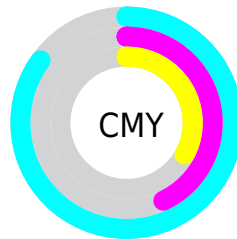
- Red (15%)
- Green (57%)
- Blue (67%)



- Red (15%)
- Yellow (38%)
- Blue (67%)



- Cyan (78%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)





- Cyan (85%)
- Magenta (43%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 29.991, 224.819 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 56, 29.991, 224.819 by changing the saturation by 10% instead.


 56, 29.991,
224.819


 56, 29.991,
224.819


 100, 29.991,
224.819


 46, 29.991,
224.819


 76, 29.991,
224.819

 36, 29.991,
224.819

 86, 29.991,
224.819

 26, 29.991,
224.819

 96, 29.991,
224.819

 16, 29.991,
224.819

 6, 29.991, 224.819

 0, 29.991, 224.819

■ 56, 29.991,
224.819

■ 56, 29.991,
224.819

■ 55, 31.278,
227.432

■ 57, 28.056,
222.739

■ 54, 32.043,
230.585

■ 59, 25.452,
221.123

■ 53, 32.215,
231.377

■ 60, 22.200,
219.894

■ 62, 18.359,
218.983

■ 64, 14.002,
218.331

■ 66, 9.213, 217.891

■ 68, 4.072, 217.660

■ 70, 1.348, 37.008

Harmonies

Complementary

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



56, 29.991, 224.819



41, 56.915, 40.943

Rectangle

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



56, 29.991, 224.819



56, 29.991, 274.819



56, 29.991, 44.819



56, 29.991, 94.819

Sweetspot

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



56, 29.990, 224.818



83, 14.714, 218.125



61, 72.800, 141.247



43, 10.144, 218.298



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



56, 29.990, 224.818



69, 38.826, 229.650



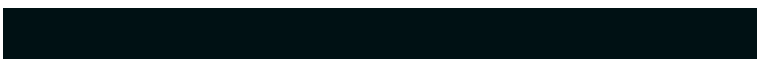
37, 54.338, 288.479



35, 3.012, 217.679



47, 29.054, 230.929



4, 5.470, 224.164

Inverse Universe

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



41, 68.837, 335.080



51, 89.647, 336.525



56, 52.195, 80.421



33, 5.668, 330.435



33, 66.986, 336.892



2, 9.865, 331.946

Previews

White Background



This preview shows how the CIE LCh color 56, 29.991, 224.819 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 56, 29.991, 224.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

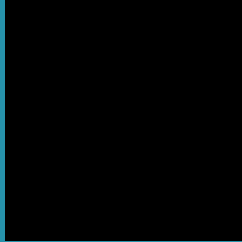
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 29.991, 224.819

Background



This preview shows how black text looks on a background with the CIELCh color 56, 29.991, 224.819.



This preview shows how white text looks on a background with the CIELCh color 56, 29.991, 224.819.

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
56, 29.991, 224.819

Protanopia
56, 16.117, 285.713

Deuteranopia
56, 24.118, 288.144



Tritanopia
56, 30.674, 209.906

Trichromacy



Original Color
56, 29.991, 224.819



Protanomaly
55, 20.182, 249.193



Deuteranomaly
55, 24.103, 258.451



Tritanomaly
56, 30.174, 216.020

Monochromacy



Original Color
56, 29.991, 224.819



Achromatopsia
49, 0.007, 296.813



Achromatomaly
51, 14.667, 216.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 29.991, 224.819 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(38, 146, 170)` looks like.

```
.text, #text, p{  
    color:rgb(38, 146, 170)  
}
```

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(38, 146, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 146, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 29.991, 224.819 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(38, 146, 170) }
```

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

```
.border{ border-color:rgb(38, 146, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 146, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(38, 146, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(38, 146, 170); box-shadow:4px 4px 4px 4px rgb(38, 146, 170) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 29.991, 224.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 146, 170) }
```

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

```
.background{ background-color: rgb(38, 146,  
170) }
```

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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