

Converting Colors

CIELCh(29, 55.202, 299.142)

Have a look what the booklet for
CIELCh(29, 55.202, 299.142)
contains.

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Color

CIELCh(29, 55.410, 299.331)

Conversions

Conversions Part 1

Format	Color
Hex	393990
RGB	57, 57, 144
RGB Percent	22%, 22%, 56%
CMY	0.7756, 0.7758, 0.4345
CMYK	0.60, 0.60, 0.00, 0.43
HSL	240°, 43%, 39%
HSV	240°, 60%, 57%
XYZ	8.2195, 5.8380, 27.1565
YIQ	66.9180, -27.9270, 27.0570

Conversions

Conversions Part 2

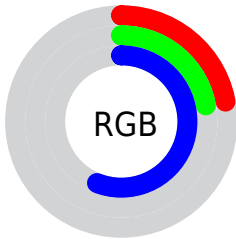
Format	Color
R_{YB}	57, 57, 144
Decimal	3750288
CIE _{Lab}	29.00, 27.14, -48.31
CIE _{LCh}	29, 55.410, 299.331
Yxy	5.8380, 0.1994, 0.1417
Android (android.graphics.Color)	4281940368 (0xFF393990)
YUV	66.9180, 38.0014, -8.6981
Hunter-Lab	24.1619, 18.4392, -49.7249

Details

The CIELCh color $[29, 55.410, 299.331]$ is a dark color, and the websafe version is hex $\#333399$. A complement of this color would be $[58, 46.579, 104.763]$, and the grayscale version is $[28, 0.004, 296.813]$.

A 20% lighter version of the original color is $[49, 55.768, 299.497]$, and $[10, 55.003, 301.901]$ is the 20% darker color. If you saturate the color by 10%, you get $[24, 65.425, 301.485]$, and if you desaturate by 10%, it is $[34, 45.381, 297.278]$.

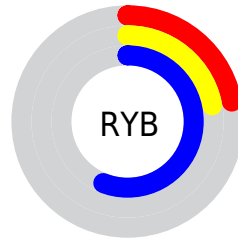
Distribution



Red (22%)

Green (22%)

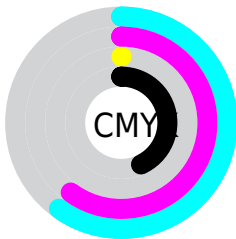
Blue (56%)



Red (22%)

Yellow (22%)

Blue (56%)

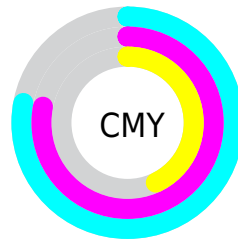


Cyan (60%)

Magenta (60%)

Yellow (0%)

Black (43%)



Cyan (78%)

Magenta (78%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 55.410, 299.331 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 29, 55.410, 299.331 by changing the saturation by 10% instead.

■ 29, 55.410,
299.331

■ 29, 55.410,
299.331

■ 100, 55.410,
299.331

■ 19, 55.410,
299.331

■ 49, 55.410,
299.331

■ 9, 55.410, 299.331

■ 59, 55.410,
299.331

■ 0, 55.410, 299.331

■ 69, 55.410,
299.331

■ 79, 55.410,
299.331

■ 89, 55.410,
299.331

■ 99, 55.410,

299.331

■ 29, 55.410,
299.331

■ 29, 55.410,
299.331

■ 24, 65.425,
301.485

■ 34, 45.381,
297.278

■ 21, 74.751,
303.528

■ 39, 35.629,
295.428

■ 18, 82.210,
305.153

■ 44, 26.246,
293.814

■ 16, 87.511,
306.290

■ 49, 17.244,
292.428

■ 55, 8.603, 291.248

■ 60, 0.298, 290.404

■ 65, 7.696, 109.371

■ 70, 15.401,
108.641

■ 75, 22.839,
108.013

Harmonies

Complementary

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



29, 55.410, 299.331



58, 46.579, 104.763

Rectangle

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



29, 55.410, 299.331



29, 55.410, 349.331



29, 55.410, 119.331



29, 55.410, 169.331

Sweetspot

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



29, 55.410, 299.332



65, 18.914, 292.180



55, 26.742, 196.920



32, 13.170, 292.513



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



29, 55.410, 299.332



32, 83.539, 302.160



33, 55.237, 312.027



27, 4.642, 291.121



14, 83.485, 306.290



0, 3.085, 290.202

Inverse Universe

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



39, 57.575, 327.412



48, 80.972, 327.832



55, 50.567, 126.468



28, 5.606, 324.924



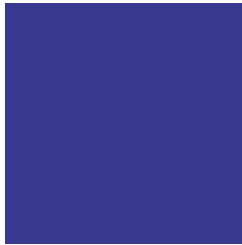
32, 72.069, 328.257



1, 3.766, 324.455

Previews

White Background



This preview shows how the CIE LCh color 29, 55.410, 299.331 looks on a white 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 29, 55.410, 299.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

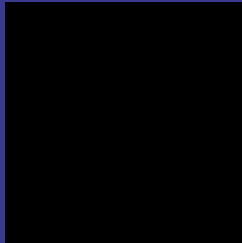
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 55.410, 299.331

Background



This preview shows how black text looks on a background with the CIELCh color 29, 55.410, 299.331.



This preview shows how white text looks on a background with the CIELCh color 29, 55.410, 299.331.

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

29, 55.410, 299.331

Protanopia

29, 47.811, 285.687

Deuteranopia

29, 34.385, 273.219



Tritanopia
29, 16.281, 211.056

Trichromacy



Original Color
29, 55.410, 299.331

Protanomaly
29, 50.769, 289.825

Deuteranomaly
28, 41.635, 284.503

Tritanomaly
29, 23.895, 271.111

Monochromacy



Original Color
29, 55.410, 299.331

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 20.751, 294.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 55.410, 299.331 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(57, 57, 144)` looks like.

```
.text, #text, p{  
    color:rgb(57, 57, 144)  
}
```

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(57, 57, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 57, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 55.410, 299.331 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(57, 57, 144) }
```

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

```
.border{ border-color:rgb(57, 57, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 57, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 57, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 57, 144);  
box-shadow:4px 4px 4px 4px rgb(57, 57,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 55.410, 299.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 57, 144) }
```

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

```
.background{ background-color: rgb(57, 57,  
144) }
```

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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