

Converting Colors

CIELCh(28, 64.131, 299.788)

Have a look what the booklet for
CIELCh(28, 64.131, 299.788)
contains.

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Color

CIELCh(28, 63.611, 299.636)

Conversions

Conversions Part 1

Format	Color
Hex	303599
RGB	48, 53, 153
RGB Percent	19%, 21%, 60%
CMY	0.8124, 0.7926, 0.4005
CMYK	0.69, 0.65, 0.00, 0.40
HSL	237°, 52%, 39%
HSV	237°, 69%, 60%
XYZ	8.2197, 5.4574, 30.7038
YIQ	62.9050, -35.0800, 30.0400

Conversions

Conversions Part 2

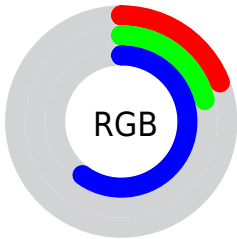
Format	Color
R_{YB}	48, 53, 153
Decimal	3159449
CIE _{Lab}	28.00, 31.45, -55.29
CIE _{LCh}	28, 63.611, 299.636
Yxy	5.4574, 0.1852, 0.1230
Android (android.graphics.Color)	4281349529 (0xFF303599)
YUV	62.9050, 44.4168, -13.0717
Hunter-Lab	23.3610, 21.9240, -61.5732




Details

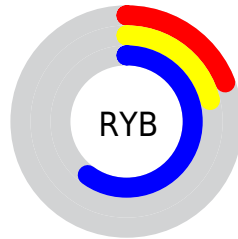
The CIELCh color **28, 63.611, 299.636** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **60, 52.230, 101.659**, and the grayscale version is **26, 0.004, 296.813**.




A 20% lighter version of the original color is **48, 63.390, 299.673**, and **11, 61.291, 303.419** is the 20% darker color. If you saturate the color by 10%, you get **24, 73.452, 301.945**, and if you desaturate by 10%, it is **33, 53.481, 297.338**.

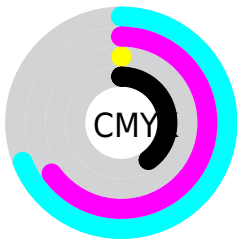
Distribution







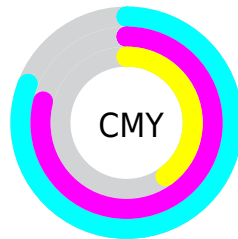
-  Red (19%)
-  Green (21%)
-  Blue (60%)






-  Red (19%)
-  Yellow (21%)
-  Blue (60%)



-  Cyan (69%)
-  Magenta (65%)
-  Yellow (0%)
-  Black (40%)




-  Cyan (81%)
-  Magenta (79%)
-  Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 63.611, 299.636 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 28, 63.611, 299.636 by changing the saturation by 10% instead.

 28, 63.611,
299.636


 28, 63.611,
299.636

 100, 63.611,
299.636


 18, 63.611,
299.636


 48, 63.611,
299.636


 8, 63.611, 299.636

 58, 63.611,
299.636

 0, 63.611, 299.636

 68, 63.611,
299.636

 78, 63.611,
299.636

 88, 63.611,
299.636

 98, 63.611,

299.636

■ 28, 63.611,
299.636

■ 28, 63.611,
299.636

■ 24, 73.452,
301.945

■ 33, 53.481,
297.338

■ 20, 82.095,
303.995

■ 38, 43.516,
295.210

■ 18, 88.317,
305.430

■ 43, 33.885,
293.322

■ 18, 88.968,
305.562

■ 48, 24.630,
291.687

■ 53, 15.739,
290.286

■ 59, 7.189, 289.095

■ 64, 1.046, 108.000

■ 69, 8.989, 107.184

■ 74, 16.661,
106.438

Harmonies

Complementary

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



28, 63.611, 299.636



60, 52.230, 101.659

Rectangle

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



28, 63.611, 299.636



28, 63.611, 349.636



28, 63.611, 119.636



28, 63.611, 169.636

Sweetspot

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



28, 63.611, 299.637



67, 22.017, 290.645



58, 31.019, 191.028



33, 14.935, 290.990



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



28, 63.611, 299.637



30, 94.699, 303.007



31, 65.576, 310.982



30, 4.677, 289.153



16, 83.309, 305.485



0, 4.983, 288.224

Inverse Universe

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



36, 49.050, 26.288



44, 72.610, 31.697



58, 58.324, 124.508



30, 3.442, 16.002



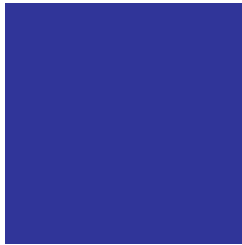
28, 64.522, 37.118



1, 3.607, 15.477

Previews

White Background



This preview shows how the CIE LCh color 28, 63.611, 299.636 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 28, 63.611, 299.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

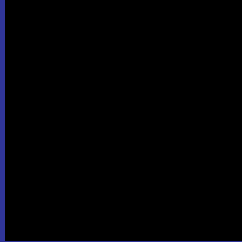
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 63.611, 299.636

Background



This preview shows how black text looks on a background with the CIELCh color 28, 63.611, 299.636.



This preview shows how white text looks on a background with the CIELCh color 28, 63.611, 299.636.

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

28, 63.611, 299.636

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 32.204, 271.215



Tritanopia
28, 19.621, 208.236

Trichromacy



Original Color
28, 63.611, 299.636

Protanomaly
28, 52.875, 291.045

Deuteranomaly
27, 43.023, 285.414

Tritanomaly
27, 27.848, 269.343

Monochromacy



Original Color
28, 63.611, 299.636

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 24.190, 293.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 63.611, 299.636 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(48, 53, 153)` looks like.

```
.text, #text, p{  
    color:rgb(48, 53, 153)  
}
```

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(48, 53, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 53, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 63.611, 299.636 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(48, 53, 153) }
```

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

```
.border{ border-color:rgb(48, 53, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 53, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 53, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 53, 153);  
box-shadow:4px 4px 4px 4px rgb(48, 53,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 63.611, 299.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 53, 153) }
```

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

```
.background{ background-color: rgb(48, 53,  
153) }
```

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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