

Converting Colors

CIELCh(28, 63.565, 295.299)

Have a look what the booklet for
CIELCh(28, 63.565, 295.299)
contains.

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Color

CIELCh(28, 63.225, 295.189)

Conversions

Conversions Part 1

Format	Color
Hex	13399C
RGB	19, 57, 156
RGB Percent	7%, 22%, 61%
CMY	0.9259, 0.7767, 0.3884
CMYK	0.88, 0.63, 0.00, 0.39
HSL	223°, 78%, 34%
HSV	223°, 88%, 61%
XYZ	7.7230, 5.4574, 32.0744
YIQ	56.9240, -54.4270, 22.7330

Conversions

Conversions Part 2

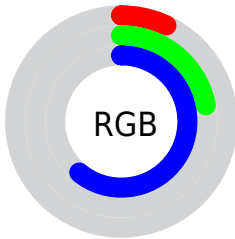
Format	Color
R _Y B	19, 49, 156
Decimal	1259932
CIE Lab	28.00, 26.91, -57.21
CIE LCh	28, 63.225, 295.189
Yxy	5.4574, 0.1707, 0.1206
Android (android.graphics.Color)	4279450012 (0xFF13399C)
YUV	56.9240, 48.8445, -33.2593
Hunter-Lab	23.3610, 18.1293, -65.0517

Details

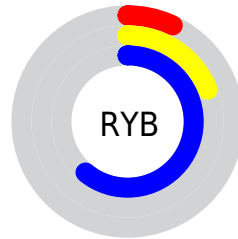
The CIELCh color **28, 63.225, 295.189** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **52, 54.348, 83.454**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 62.696, 295.034**, and **12, 60.087, 302.210** is the 20% darker color. If you saturate the color by 10%, you get **25, 71.033, 298.382**, and if you desaturate by 10%, it is **32, 55.318, 291.900**.

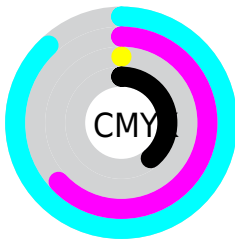
Distribution



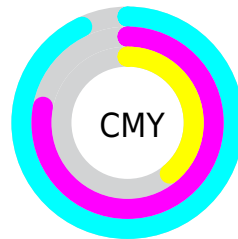
- Red (7%)
- Green (22%)
- Blue (61%)



- Red (7%)
- Yellow (19%)
- Blue (61%)



- Cyan (88%)
- Magenta (63%)
- Yellow (0%)
- Black (39%)




- Cyan (93%)
- Magenta (78%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 63.225, 295.189 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, 63.225, 295.189 by changing the saturation by 10% instead.

 28, 63.225,
295.189


 28, 63.225,
295.189

 100, 63.225,
295.189


 18, 63.225,
295.189


 48, 63.225,
295.189


 8, 63.225, 295.189

 58, 63.225,
295.189

 0, 63.225, 295.189

 68, 63.225,
295.189

 78, 63.225,
295.189

 88, 63.225,
295.189

 98, 63.225,

295.189

■ 28, 63.225,
295.189

■ 28, 63.225,
295.189

■ 25, 71.033,
298.382

■ 32, 55.318,
291.900

■ 24, 72.645,
298.980

■ 35, 47.542,
288.766

■ 40, 39.983,
285.911

■ 44, 32.650,
283.386

■ 48, 25.520,
281.192

■ 52, 18.571,
279.305

■ 57, 11.783,
277.688

■ 61, 5.144, 276.312

■ 65, 1.353, 94.951

Harmonies

Complementary

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



28, 63.225, 295.189



52, 54.348, 83.454

Rectangle

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



28, 63.225, 295.189



28, 63.225, 345.189



28, 63.225, 115.189



28, 63.225, 165.189

Sweetspot

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



28, 63.225, 295.190



68, 21.515, 279.067



57, 44.731, 165.895



34, 14.603, 279.626



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



28, 63.225, 295.190



32, 90.429, 299.628



22, 84.068, 307.012



31, 3.733, 276.486



22, 67.590, 298.724



1, 4.919, 276.321

Inverse Universe

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



34, 56.650, 16.260



43, 75.149, 23.515



60, 65.798, 114.797



31, 3.775, 358.317



29, 57.153, 21.793



1, 4.811, 358.541

Previews

White Background



This preview shows how the CIE LCh color 28, 63.225, 295.189 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, 63.225, 295.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

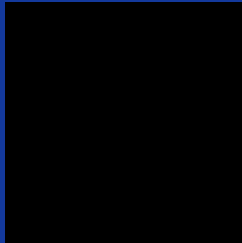
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 63.225, 295.189

Background



This preview shows how black text looks on a background with the CIELCh color 28, 63.225, 295.189.



This preview shows how white text looks on a background with the CIELCh color 28, 63.225, 295.189.

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, 63.225, 295.189

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 32.204, 271.215



Tritanopia
28, 19.955, 204.109

Trichromacy



Original Color
28, 63.225, 295.189

Protanomaly
28, 52.893, 290.015

Deuteranomaly
28, 43.108, 284.017

Tritanomaly
27, 27.260, 264.500

Monochromacy



Original Color
28, 63.225, 295.189

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 23.998, 283.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 63.225, 295.189 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(19, 57, 156)` looks like.

```
.text, #text, p{  
    color:rgb(19, 57, 156)  
}
```

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(19, 57, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 57, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 63.225, 295.189 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(19, 57, 156) }
```

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

```
.border{ border-color:rgb(19, 57, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 57, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 57, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 57, 156);  
box-shadow:4px 4px 4px 4px rgb(19, 57,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 63.225, 295.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 57, 156) }
```

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

```
.background{ background-color: rgb(19, 57,  
156) }
```

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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