

Converting Colors

CIELCh(28, 30.947, 317.386)

Have a look what the booklet for
CIELCh(28, 30.947, 317.386)
contains.

CIELCh(28, 31.216, 317.187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(28, 31.216, 317.187)

Conversions

Conversions Part 1

Format	Color
Hex	553663
RGB	85, 54, 99
RGB Percent	33%, 21%, 39%
CMY	0.6670, 0.7885, 0.6121
CMYK	0.14, 0.45, 0.00, 0.61
HSL	281°, 29%, 30%
HSV	281°, 45%, 39%
XYZ	7.3020, 5.4574, 12.4513
YIQ	68.3990, 4.0310, 20.5670

Conversions

Conversions Part 2

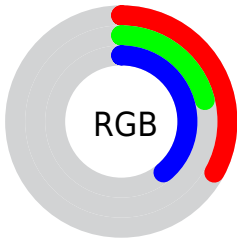
Format	Color
R_YB	85, 54, 99
Decimal	5584483
CIE _{Lab}	28.00, 22.90, -21.21
CIE _{LCh}	28, 31.216, 317.187
Yxy	5.4574, 0.2896, 0.2165
Android (android.graphics.Color)	4283774563 (0xFF553663)
YUV	68.3990, 15.0863, 14.5591
Hunter-Lab	23.3610, 14.9119, -15.2486

Details

The CIELCh color $28, 31.216, 317.187$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $39, 30.205, 133.274$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $48, 30.955, 317.332$, and $8, 31.430, 317.221$ is the 20% darker color. If you saturate the color by 10%, you get $25, 37.916, 317.528$, and if you desaturate by 10%, it is $31, 24.315, 316.799$.

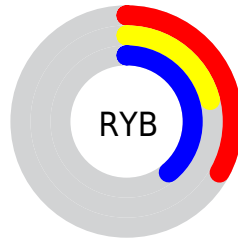
Distribution



Red (33%)

Green (21%)

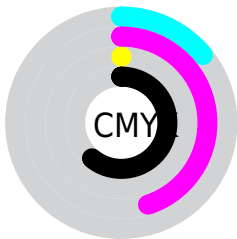
Blue (39%)



Red (33%)

Yellow (21%)

Blue (39%)

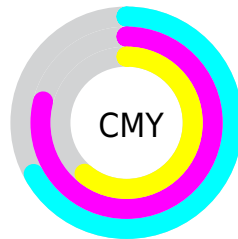


Cyan (14%)

Magenta (45%)

Yellow (0%)

Black (61%)



Cyan (67%)


Magenta (79%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 31.216, 317.187 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, 31.216, 317.187 by changing the saturation by 10% instead.


 28, 31.216,
317.187


 28, 31.216,
317.187

 100, 31.216,
317.187


 18, 31.216,
317.187


 48, 31.216,
317.187


 8, 31.216, 317.187

 58, 31.216,
317.187

 0, 31.216, 317.187

 68, 31.216,
317.187

 78, 31.216,
317.187

 88, 31.216,
317.187

 98, 31.216,

317.187

■ 28, 31.216,
317.187

■ 28, 31.216,
317.187

■ 25, 37.916,
317.528

■ 31, 24.315,
316.799

■ 23, 44.207,
317.786

■ 34, 17.365,
316.390

■ 20, 49.812,
317.915

■ 37, 10.463,
315.978

■ 18, 54.414,
317.860

■ 40, 3.671, 315.562

■ 17, 58.019,
317.638

■ 43, 2.975, 135.249

■ 47, 9.456, 134.871

■ 16, 59.726,
317.580

■ 50, 15.763,
134.539

■ 53, 21.895,
134.237

■ 56, 27.855,
133.963

Harmonies

Complementary

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



28, 31.216, 317.187



39, 30.205, 133.274

Rectangle

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



28, 31.216, 317.187



28, 31.216, 7.187



28, 31.216, 137.187



28, 31.216, 187.187

Sweetspot

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



28, 31.215, 317.187



48, 11.643, 315.933



29, 20.173, 279.659



23, 7.980, 315.995



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



28, 31.215, 317.187



33, 46.266, 317.561



29, 29.267, 332.685



18, 3.702, 315.705



19, 65.336, 317.441



45, 114.617, 316.855

Inverse Universe

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



29, 22.018, 0.437



34, 32.776, 2.463



38, 29.241, 146.406



18, 2.543, 355.901



22, 47.038, 17.304



51, 83.681, 21.126

Previews

White Background



This preview shows how the CIELCh color 28, 31.216, 317.187 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, 31.216, 317.187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

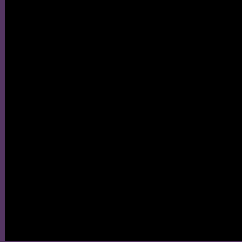
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 31.216, 317.187

Background



This preview shows how black text looks on a background with the CIELCh color 28, 31.216, 317.187.



This preview shows how white text looks on a background with the CIELCh color 28, 31.216, 317.187.

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, 31.216, 317.187

Protanopia

28, 28.600, 285.381

Deuteranopia

28, 20.293, 282.013



Tritanopia
28, 9.237, 0.790

Trichromacy



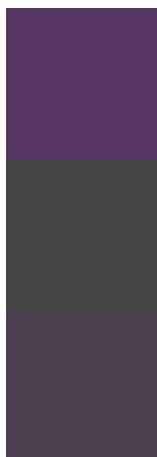
Original Color
28, 31.216, 317.187

Protanomaly
28, 28.531, 296.112

Deuteranomaly
28, 23.394, 297.176

Tritanomaly
28, 16.501, 331.032

Monochromacy



Original Color
28, 31.216, 317.187

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 11.401, 316.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 31.216, 317.187 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(85, 54, 99)` looks like.

```
.text, #text, p{  
    color:rgb(85, 54, 99)  
}
```

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(85, 54, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 54, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 31.216, 317.187 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(85, 54, 99) }
```

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

```
.border{ border-color:rgb(85, 54, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 54, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 54, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 54, 99);  
box-shadow:4px 4px 4px 4px rgb(85, 54, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 31.216, 317.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 54, 99) }
```

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

```
.background{ background-color: rgb(85, 54,  
99) }
```

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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