

Converting Colors

CIELCh(28, 64.221, 330.614)

Have a look what the booklet for
CIELCh(28, 64.221, 330.614)
contains.

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Color

CIELCh(28, 64.329, 330.543)

Conversions

Conversions Part 1

Format	Color
Hex	7B0174
RGB	123, 1, 116
RGB Percent	48%, 0%, 45%
CMY	0.5187, 0.9980, 0.5461
CMYK	0.00, 1.00, 0.06, 0.52
HSL	303°, 99%, 24%
HSV	303°, 100%, 48%
XYZ	11.2739, 5.4574, 16.9068
YIQ	50.5880, 35.7970, 61.6290

Conversions

Conversions Part 2

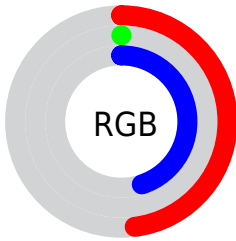
Format	Color
R_{YB}	123, 1, 116
Decimal	8061300
CIE _{Lab}	28.00, 56.01, -31.64
CIE _{LCh}	28, 64.329, 330.543
Yxy	5.4574, 0.3352, 0.1622
Android (android.graphics.Color)	4286251380 (0xFF7B0174)
YUV	50.5880, 32.2481, 63.5053
Hunter-Lab	23.3610, 45.2613, -26.5565

Details

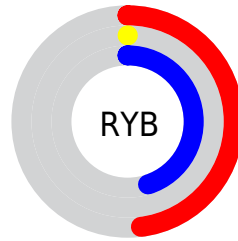
The CIELCh color **28, 64.329, 330.543** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **44, 68.351, 136.784**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 64.350, 330.442**, and **14, 44.214, 329.289** is the 20% darker color. If you saturate the color by 10%, you get **28, 64.415, 330.555**, and if you desaturate by 10%, it is **29, 62.213, 330.248**.

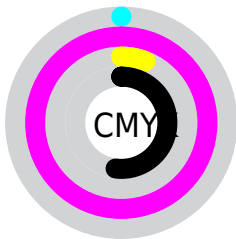
Distribution



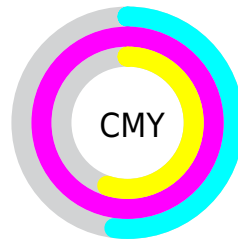
- Red (48%)
- Green (0%)
- Blue (45%)



- Red (48%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (52%)





- Cyan (52%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 64.329, 330.543 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, 64.329, 330.543 by changing the saturation by 10% instead.

 28, 64.329,
330.543


 28, 64.329,
330.543

 100, 64.329,
330.543

 18, 64.329,
330.543

 48, 64.329,
330.543


 8, 64.329, 330.543

 58, 64.329,
330.543

 0, 64.329, 330.543

 68, 64.329,
330.543

 78, 64.329,
330.543

 88, 64.329,
330.543

 98, 64.329,

330.543

■ 28, 64.329,
330.543

■ 28, 64.329,
330.543

■ 28, 64.415,
330.555

■ 29, 62.213,
330.248

■ 30, 59.021,
329.918

■ 31, 54.293,
329.539

■ 33, 48.234,
329.110

■ 36, 41.140,
328.637

■ 39, 33.325,
328.131

■ 42, 25.070,
327.601

■ 45, 16.603,
327.057

■ 48, 8.095, 326.503

Harmonies

Complementary

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



28, 64.329, 330.543



44, 68.351, 136.784

Rectangle

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



28, 64.329, 330.543



28, 64.329, 20.543



28, 64.329, 150.543



28, 64.329, 200.543

Sweetspot

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



28, 64.327, 330.543



54, 31.668, 327.663



12, 77.330, 306.468



26, 21.736, 327.849



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



28, 64.327, 330.543



37, 78.259, 330.616



25, 49.072, 4.831



24, 4.742, 326.473



29, 65.242, 330.560



59, 109.570, 330.693

Inverse Universe

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



28, 64.327, 330.543



37, 78.259, 330.616



45, 48.170, 152.764



24, 4.742, 326.473



29, 65.242, 330.560



59, 109.570, 330.693

Previews

White Background



This preview shows how the CIE LCh color 28, 64.329, 330.543 looks on a white background.

Color Contrast Check

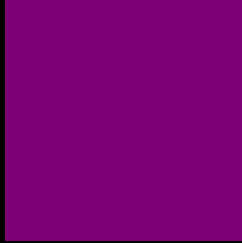
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 28, 64.329, 330.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

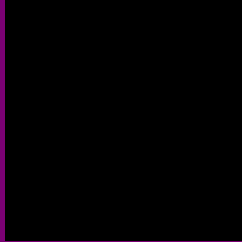
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 64.329, 330.543

Background



This preview shows how black text looks on a background with the CIELCh color 28, 64.329, 330.543.



This preview shows how white text looks on a background with the CIELCh color 28, 64.329, 330.543.

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, 64.329, 330.543

Protanopia
29, 48.332, 285.712

Deuteranopia
29, 26.150, 280.233



Tritanopia
29, 34.539, 24.072

Trichromacy



Original Color
28, 64.329, 330.543

Protanomaly
24, 58.067, 301.108

Deuteranomaly
25, 44.537, 310.860

Tritanomaly
27, 42.355, 353.550

Monochromacy



Original Color
28, 64.329, 330.543

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 32.245, 328.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 64.329, 330.543 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(123, 1, 116)` looks like.

```
.text, #text, p{  
    color:rgb(123, 1, 116)  
}
```

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(123, 1, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 1, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 64.329, 330.543 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(123, 1, 116) }
```

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

```
.border{ border-color:rgb(123, 1, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 1, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 1, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 1, 116);  
box-shadow:4px 4px 4px 4px rgb(123, 1,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 64.329, 330.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 1, 116) }
```

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

```
.background{ background-color: rgb(123, 1,  
116) }
```

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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