

Converting Colors

CIELCh(28, 47.135, 21.814)

Have a look what the booklet for
CIELCh(28, 47.135, 21.814) contains.

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Color

CIELCh(28, 47.093, 21.521)

Conversions

Conversions Part 1

Format	Color
Hex	80192A
RGB	128, 25, 42
RGB Percent	50%, 10%, 16%
CMY	0.4979, 0.9017, 0.8352
CMYK	0.00, 0.80, 0.67, 0.50
HSL	350°, 67%, 30%
HSV	350°, 80%, 50%
XYZ	9.6760, 5.4574, 2.7369
YIQ	57.7350, 55.9310, 27.1230

Conversions

Conversions Part 2

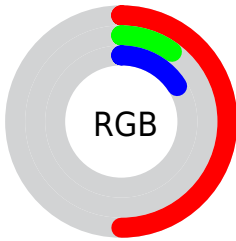
Format	Color
R_{YB}	128, 25, 42
Decimal	8395050
CIE _{Lab}	28.00, 43.81, 17.28
CIE _{LCh}	28, 47.093, 21.521
Yxy	5.4574, 0.5415, 0.3054
Android (android.graphics.Color)	4286585130 (0xFF80192A)
YUV	57.7350, -7.7574, 61.6224
Hunter-Lab	23.3610, 33.0515, 9.4065

Details

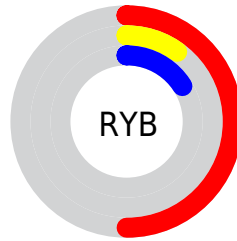
The CIELCh color **28, 47.093, 21.521** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **48, 32.285, 177.920**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 47.158, 21.398**, and **12, 37.152, 29.991** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.838, 25.924**, and if you desaturate by 10%, it is **30, 41.722, 17.853**.

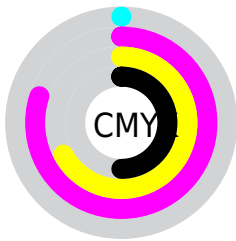
Distribution



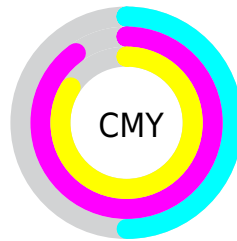
- Red (50%)
- Green (10%)
- Blue (16%)



- Red (50%)
- Yellow (10%)
- Blue (16%)



- Cyan (0%)
- Magenta (80%)
- Yellow (67%)
- Black (50%)



- Cyan (50%)
- Magenta (90%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 47.093, 21.521 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, 47.093, 21.521 by changing the saturation by 10% instead.

■ 28, 47.093, 21.521

■ 28, 47.093, 21.521

■ 100, 47.093,
21.521

■ 18, 47.093, 21.521

■ 48, 47.093, 21.521

■ 8, 47.093, 21.521

■ 58, 47.093, 21.521

■ 0, 47.093, 21.521

■ 68, 47.093, 21.521

■ 78, 47.093, 21.521

■ 88, 47.093, 21.521

■ 98, 47.093, 21.521

■ 28, 47.093, 21.521

■ 28, 47.093, 21.521

27, 51.838, 25.924

30, 41.722, 17.853

26, 56.123, 30.183

32, 35.855, 14.899

35, 29.692, 12.548

39, 23.443, 10.670

42, 17.281, 9.149

46, 11.320, 7.894

50, 5.626, 6.822

53, 0.229, 4.369

57, 4.870, 185.326

Harmonies

Complementary

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



28, 47.093, 21.521



48, 32.285, 177.920

Rectangle

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



28, 47.093, 21.521



28, 47.093, 71.521



28, 47.093, 201.521



28, 47.093, 251.521

Sweetspot

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



28, 47.091, 21.523



57, 16.594, 8.384



28, 63.671, 322.430



28, 11.575, 8.767



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



28, 47.091, 21.523



35, 67.033, 30.161



34, 43.547, 51.216



25, 3.018, 6.686



26, 55.939, 30.158



0, 0.000, 0.000

Inverse Universe

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



28, 47.091, 21.523



35, 67.033, 30.161



37, 26.501, 251.821



25, 3.018, 6.686



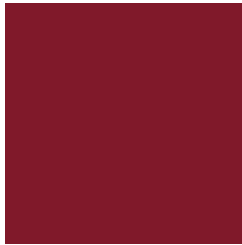
26, 55.939, 30.158



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 28, 47.093, 21.521 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, 47.093, 21.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

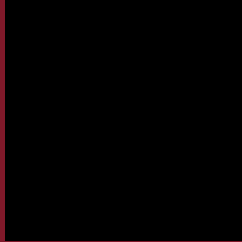
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 47.093, 21.521

Background



This preview shows how black text looks on a background with the CIELCh color 28, 47.093, 21.521.



This preview shows how white text looks on a background with the CIELCh color 28, 47.093, 21.521.

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, 47.093, 21.521

Protanopia

29, 6.558, 96.568

Deuteranopia

29, 20.292, 79.404



Tritanopia
28, 49.720, 32.201

Trichromacy



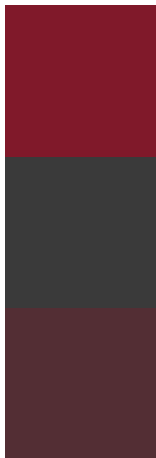
Original Color
28, 47.093, 21.521

Protanomaly
27, 19.595, 23.345

Deuteranomaly
27, 26.829, 38.924

Tritanomaly
28, 48.585, 28.622

Monochromacy



Original Color
28, 47.093, 21.521

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 18.141, 11.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 47.093, 21.521 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(128, 25, 42)` looks like.

```
.text, #text, p{  
    color:rgb(128, 25, 42)  
}
```

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(128, 25, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 25, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 47.093, 21.521 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(128, 25, 42) }
```

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

```
.border{ border-color:rgb(128, 25, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 25, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 25, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 25, 42);  
box-shadow:4px 4px 4px 4px rgb(128, 25,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 47.093, 21.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 25, 42) }
```

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

```
.background{ background-color: rgb(128, 25,  
42) }
```

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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