

Converting Colors

CIELCh(28, 51.272, 29.095)

Have a look what the booklet for
CIELCh(28, 51.272, 29.095) contains.

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Color

CIELCh(28, 51.285, 29.282)

Conversions

Conversions Part 1

Format	Color
Hex	82161E
RGB	130, 22, 30
RGB Percent	51%, 9%, 12%
CMY	0.4888, 0.9121, 0.8814
CMYK	0.00, 0.83, 0.77, 0.49
HSL	356°, 71%, 30%
HSV	356°, 83%, 51%
XYZ	9.7911, 5.4574, 1.7820
YIQ	55.2040, 61.8000, 25.3840

Conversions

Conversions Part 2

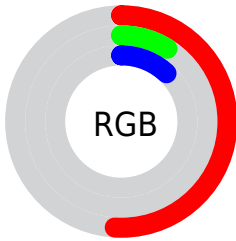
Format	Color
R_{YB}	130, 22, 30
Decimal	8525342
CIE _{Lab}	28.00, 44.73, 25.08
CIE _{LCh}	28, 51.285, 29.282
Yxy	5.4574, 0.5749, 0.3204
Android (android.graphics.Color)	4286715422 (0xFF82161E)
YUV	55.2040, -12.4256, 65.5961
Hunter-Lab	23.3610, 33.9310, 11.8301

Details

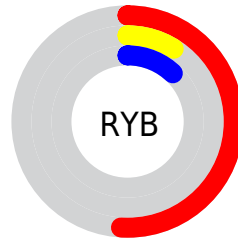
The CIELCh color **28, 51.285, 29.282** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **49, 30.510, 187.566**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 51.363, 29.006**, and **12, 37.608, 30.284** is the 20% darker color. If you saturate the color by 10%, you get **27, 56.719, 33.406**, and if you desaturate by 10%, it is **30, 45.199, 25.575**.

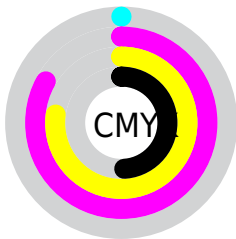
Distribution



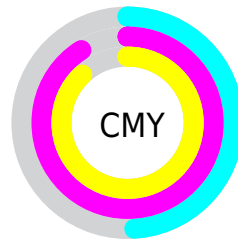
- Red (51%)
- Green (9%)
- Blue (12%)



- Red (51%)
- Yellow (9%)
- Blue (12%)



- Cyan (0%)
- Magenta (83%)
- Yellow (77%)
- Black (49%)



- Cyan (49%)
- Magenta (91%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 51.285, 29.282 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, 51.285, 29.282 by changing the saturation by 10% instead.

 28, 51.285, 29.282

 28, 51.285, 29.282

 100, 51.285,
29.282

 18, 51.285, 29.282

 48, 51.285, 29.282

 8, 51.285, 29.282

 58, 51.285, 29.282

 0, 51.285, 29.282

 68, 51.285, 29.282

 78, 51.285, 29.282

 88, 51.285, 29.282

 98, 51.285, 29.282

 28, 51.285, 29.282

 28, 51.285, 29.282

27, 56.719, 33.406

30, 45.199, 25.575

26, 60.079, 35.591

32, 38.716, 22.499

35, 32.050, 20.042

38, 25.403, 18.103

42, 18.939, 16.571

46, 12.765, 15.345

49, 6.937, 14.338

53, 1.472, 13.325

57, 3.638, 193.036

Harmonies

Complementary

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



28, 51.285, 29.282



49, 30.510, 187.566

Rectangle

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



28, 51.285, 29.282



28, 51.285, 79.282



28, 51.285, 209.282



28, 51.285, 259.282

Sweetspot

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



28, 51.283, 29.284



57, 17.394, 15.656



30, 65.557, 325.178



28, 11.920, 16.008



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, 51.283, 29.284



35, 73.010, 36.561



36, 44.310, 57.701



26, 3.060, 14.002



26, 59.968, 35.574



0, 0.712, 13.387

Inverse Universe

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



28, 51.283, 29.284



35, 73.010, 36.561



35, 30.829, 265.372



26, 3.060, 14.002



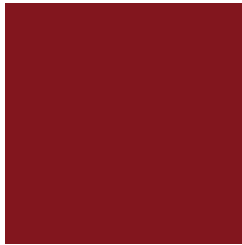
26, 59.968, 35.574



0, 0.712, 13.387

Previews

White Background



This preview shows how the CIELCh color 28, 51.285, 29.282 looks on a white background.

Color Contrast Check

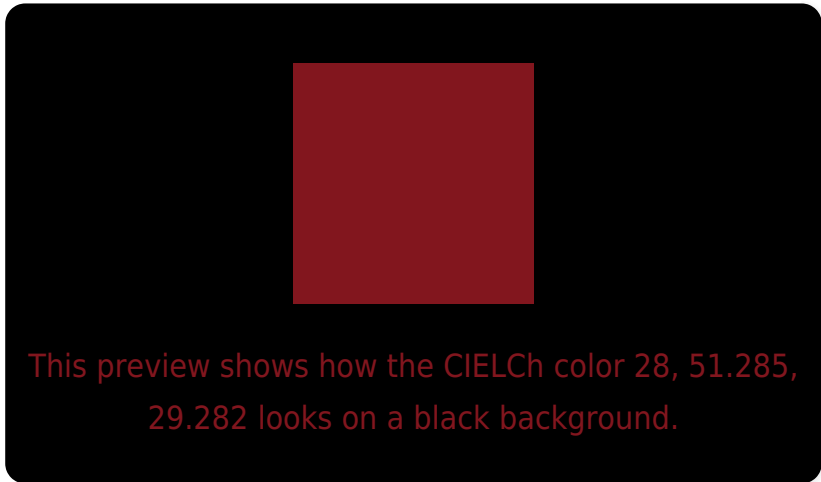
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

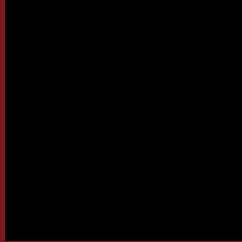
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 51.285, 29.282

Background



This preview shows how black text looks on a background with the CIELCh color 28, 51.285, 29.282.



This preview shows how white text looks on a background with the CIELCh color 28, 51.285, 29.282.

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, 51.285, 29.282

Protanopia

29, 15.564, 96.127

Deuteranopia

29, 28.329, 82.906



Tritanopia
28, 52.880, 33.963

Trichromacy



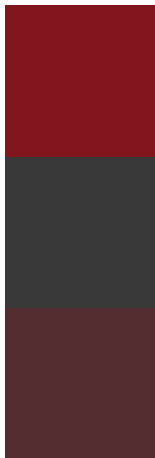
Original Color
28, 51.285, 29.282

Protanomaly
26, 24.108, 41.633

Deuteranomaly
27, 32.634, 50.429

Tritanomaly
28, 52.197, 31.984

Monochromacy



Original Color
28, 51.285, 29.282

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 19.294, 18.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 51.285, 29.282 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(130, 22, 30)` looks like.

```
.text, #text, p{  
    color:rgb(130, 22, 30)  
}
```

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(130, 22, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 22, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 51.285, 29.282 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(130, 22, 30) }
```

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

```
.border{ border-color:rgb(130, 22, 30) }
```

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

Here you see how a box with a 4 pixel rgb(130, 22, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 22, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 22, 30);  
box-shadow:4px 4px 4px 4px rgb(130, 22,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 51.285, 29.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 22, 30) }
```

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

```
.background{ background-color: rgb(130, 22,  
30) }
```

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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