

Converting Colors

CIELCh(27, 28.843, 88.220)

Have a look what the booklet for
CIELCh(27, 28.843, 88.220) contains.

CIELCh(27, 28.885, 88.187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(27, 28.885, 88.187)

Conversions

Conversions Part 1

Format	Color
Hex	4D3E11
RGB	77, 62, 17
RGB Percent	30%, 24%, 7%
CMY	0.6972, 0.7561, 0.9326
CMYK	0.00, 0.19, 0.78, 0.70
HSL	45°, 64%, 19%
HSV	45°, 78%, 30%
XYZ	4.9134, 5.0937, 1.2625
YIQ	61.3550, 23.3850, -10.8150

Conversions

Conversions Part 2

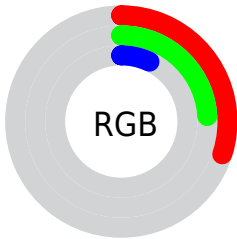
Format	Color
R_{YB}	37, 77, 17
Decimal	5062161
CIE _{Lab}	27.00, 0.91, 28.87
CIE _{LCh}	27, 28.885, 88.187
Yxy	5.0937, 0.4360, 0.4520
Android (android.graphics.Color)	4283252241 (0xFF4D3E11)
YUV	61.3550, -21.8670, 13.7207
Hunter-Lab	22.5692, -0.6363, 12.4818

Details

The CIELCh color **27, 28.885, 88.187** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **14, 31.928, 291.530**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 28.885, 88.200**, and **7, 10.416, 82.533** is the 20% darker color. If you saturate the color by 10%, you get **26, 31.741, 86.854**, and if you desaturate by 10%, it is **28, 25.545, 89.454**.

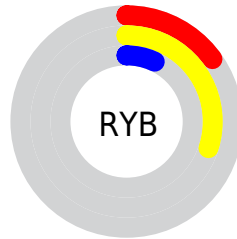
Distribution



 Red (30%)

 Green (24%)

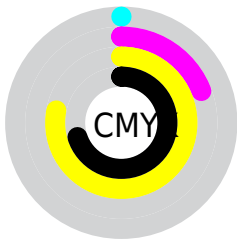
 Blue (7%)



 Red (15%)

 Yellow (30%)

 Blue (7%)

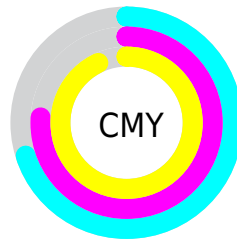


 Cyan (0%)

 Magenta (19%)

 Yellow (78%)

 Black (70%)



 Cyan (70%)

 Magenta (76%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 28.885, 88.187 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 27, 28.885, 88.187 by changing the saturation by 10% instead.

■ 27, 28.885, 88.187

■ 27, 28.885, 88.187

■ 100, 28.885,
88.187

■ 17, 28.885, 88.187

■ 47, 28.885, 88.187

■ 7, 28.885, 88.187

■ 57, 28.885, 88.187

■ 0, 28.885, 88.187

■ 67, 28.885, 88.187

■ 77, 28.885, 88.187

■ 87, 28.885, 88.187

■ 97, 28.885, 88.187

■ 27, 28.885, 88.187

■ 27, 28.885, 88.187

■ 26, 31.741, 86.854

■ 28, 25.545, 89.454

■ 26, 34.357, 85.596

■ 28, 21.923, 90.677

■ 26, 34.951, 85.336

■ 29, 18.157, 91.871

■ 30, 14.330, 93.041

■ 31, 10.494, 94.185

■ 31, 6.676, 95.298

■ 32, 2.892, 96.367

■ 33, 0.850, 277.563

■ 34, 4.547, 278.487

Harmonies

Complementary

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



27, 28.885, 88.187



14, 31.928, 291.530

Rectangle

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



27, 28.885, 88.187



27, 28.885, 138.187



27, 28.885, 268.187



27, 28.885, 318.187

Sweetspot

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



27, 28.885, 88.190



40, 10.712, 94.625



16, 29.737, 10.668



20, 7.483, 94.386



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



27, 28.885, 88.190



34, 40.092, 85.628



31, 35.368, 115.416



15, 2.073, 96.272



34, 42.969, 84.622



74, 77.326, 83.075

Inverse Universe

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



14, 31.928, 291.530



15, 48.190, 296.878



11, 42.663, 305.950



14, 2.088, 278.199



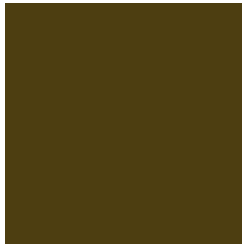
14, 53.234, 298.800



35, 103.181, 301.014

Previews

White Background



This preview shows how the CIELCh color 27, 28.885, 88.187 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 27, 28.885, 88.187 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 27, 28.885, 88.187

Background



This preview shows how black text looks on a background with the CIELCh color 27, 28.885, 88.187.



This preview shows how white text looks on a background with the CIELCh color 27, 28.885, 88.187.

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

27, 28.885, 88.187

Protanopia

27, 28.415, 95.792

Deuteranopia

27, 28.731, 83.689



Tritanopia
27, 10.519, 7.265

Trichromacy



Original Color
27, 28.885, 88.187

Protanomaly
27, 28.267, 92.446

Deuteranomaly
27, 28.516, 84.681

Tritanomaly
27, 13.336, 62.745

Monochromacy



Original Color
27, 28.885, 88.187

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 10.804, 92.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 28.885, 88.187 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(77, 62, 17)` looks like.

```
.text, #text, p{  
    color:rgb(77, 62, 17)  
}
```

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(77, 62, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 62, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 28.885, 88.187 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(77, 62, 17) }
```

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

```
.border{ border-color:rgb(77, 62, 17) }
```

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

Here you see how a box with a 4 pixel rgb(77, 62, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 62, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 62, 17);  
box-shadow:4px 4px 4px 4px rgb(77, 62, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 28.885, 88.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 62, 17) }
```

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

```
.background{ background-color: rgb(77, 62,  
17) }
```

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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