

Converting Colors

CIELCh(27, 28.846, 135.459)

Have a look what the booklet for
CIELCh(27, 28.846, 135.459)
contains.

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Color

CIELCh(27, 28.928, 135.240)

Conversions

Conversions Part 1

Format	Color
Hex	28471F
RGB	40, 71, 31
RGB Percent	16%, 28%, 12%
CMY	0.8422, 0.7206, 0.8775
CMYK	0.44, 0.00, 0.56, 0.72
HSL	106°, 39%, 20%
HSV	106°, 56%, 28%
XYZ	3.4036, 5.0937, 2.1157
YIQ	57.1710, -5.6360, -19.0120

Conversions

Conversions Part 2

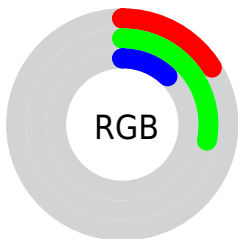
Format	Color
R_{YB}	31, 71, 62
Decimal	2639647
CIE _{Lab}	27.00, -20.54, 20.37
CIE _{LCh}	27, 28.928, 135.240
Yxy	5.0937, 0.3207, 0.4799
Android (android.graphics.Color)	4280829727 (0xFF28471F)
YUV	57.1710, -12.9023, -15.0590
Hunter-Lab	22.5692, -12.5773, 10.2404

Details

The CIELCh color **27, 28.928, 135.240** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **18, 29.611, 320.142**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 29.219, 135.500**, and **8, 19.932, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 33.555, 134.691**, and if you desaturate by 10%, it is **27, 24.005, 135.816**.

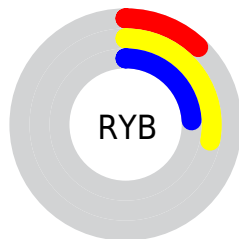
Distribution



Red (16%)

Green (28%)

Blue (12%)



Red (12%)

Yellow (28%)

Blue (24%)

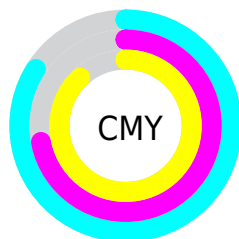


Cyan (44%)

Magenta (0%)

Yellow (56%)

Black (72%)



Cyan (84%)


Magenta (72%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 28.928, 135.240 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, 28.928, 135.240 by changing the saturation by 10% instead.

 27, 28.928,
135.240


 27, 28.928,
135.240

 100, 28.928,
135.240


 17, 28.928,
135.240

 47, 28.928,
135.240

 7, 28.928, 135.240

 57, 28.928,
135.240

 0, 28.928, 135.240

 67, 28.928,
135.240

 77, 28.928,
135.240

 87, 28.928,
135.240

 97, 28.928,

135.240

■ 27, 28.928,
135.240

■ 27, 28.928,
135.240

■ 27, 33.555,
134.691

■ 27, 24.005,
135.816

■ 26, 37.741,
134.226

■ 28, 18.897,
136.377

■ 26, 41.315,
133.930

■ 29, 13.687,
136.905

■ 26, 44.589,
133.499

■ 29, 8.440, 137.390

■ 26, 45.823,
133.273

■ 30, 3.205, 137.839

■ 31, 1.983, 318.143

■ 31, 7.099, 318.514

■ 32, 12.124,
318.814

■ 33, 17.045,
319.073

Harmonies

Complementary

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



27, 28.928, 135.240



18, 29.611, 320.142

Rectangle

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



27, 28.928, 135.240



27, 28.928, 185.240



27, 28.928, 315.240



27, 28.928, 5.240

Sweetspot

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



27, 28.929, 135.241



38, 10.954, 137.321



26, 20.237, 92.158



18, 7.221, 137.289



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 28.929, 135.241



35, 41.638, 134.520



27, 25.601, 148.325



14, 2.903, 137.731



36, 58.220, 133.678



79, 107.425, 134.468

Inverse Universe

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



18, 29.611, 320.142



21, 42.673, 320.459



19, 25.693, 336.674



13, 2.920, 318.360



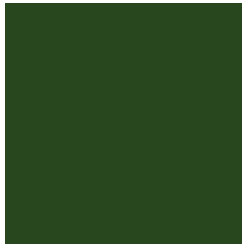
18, 59.145, 320.272



45, 108.304, 319.726

Previews

White Background



This preview shows how the CIELCh color 27, 28.928, 135.240 looks on a white background.

Color Contrast Check

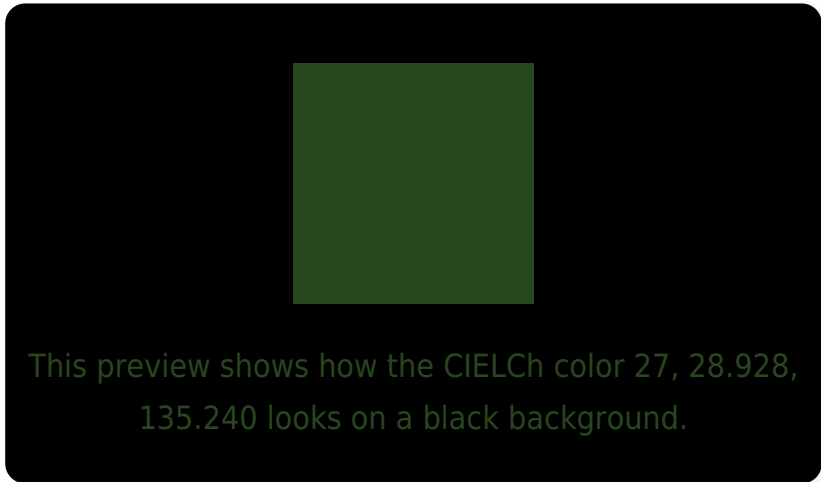
Large Text (above 18pt) WCAG AA ✓ Pass

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

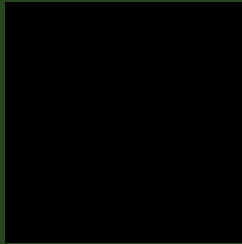
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 28.928, 135.240

Background



This preview shows how black text looks on a background with the CIELCh color 27, 28.928, 135.240.



This preview shows how white text looks on a background with the CIELCh color 27, 28.928, 135.240.

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

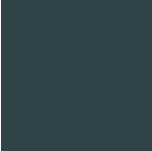
27, 28.928, 135.240

Protanopia

27, 22.398, 96.264

Deuteranopia

27, 19.679, 79.784



Tritanopia
27, 8.169, 221.957

Trichromacy



Original Color
27, 28.928, 135.240

Protanomaly
27, 23.399, 114.263

Deuteranomaly
27, 20.257, 107.488

Tritanomaly
27, 13.094, 160.775

Monochromacy



Original Color
27, 28.928, 135.240

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 10.546, 137.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 28.928, 135.240 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(40, 71, 31)` looks like.

```
.text, #text, p{  
    color:rgb(40, 71, 31)  
}
```

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(40, 71, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 71, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 28.928, 135.240 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(40, 71, 31) }
```

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

```
.border{ border-color:rgb(40, 71, 31) }
```

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

Here you see how a box with a 4 pixel rgb(40, 71, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 71, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 71, 31);  
box-shadow:4px 4px 4px 4px rgb(40, 71, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 28.928, 135.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 71, 31) }
```

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

```
.background{ background-color: rgb(40, 71,  
31) }
```

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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