

Converting Colors

CIELCh(27, 29.220, 135.742)

Have a look what the booklet for
CIELCh(27, 29.220, 135.742)
contains.

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Color

CIELCh(27, 29.145, 135.884)

Conversions

Conversions Part 1

Format	Color
Hex	27471F
RGB	39, 71, 31
RGB Percent	15%, 28%, 12%
CMY	0.8456, 0.7201, 0.8771
CMYK	0.45, 0.00, 0.56, 0.72
HSL	108°, 39%, 20%
HSV	108°, 56%, 28%
XYZ	3.3799, 5.0937, 2.1253
YIQ	56.8720, -6.2320, -19.2240

Conversions

Conversions Part 2

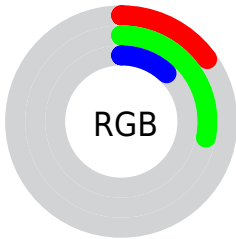
Format	Color
R_YB	31, 71, 63
Decimal	2574111
CIE _{Lab}	27.00, -20.92, 20.29
CIE _{LCh}	27, 29.145, 135.884
Yxy	5.0937, 0.3189, 0.4806
Android (android.graphics.Color)	4280764191 (0xFF27471F)
YUV	56.8720, -12.7549, -15.6737
Hunter-Lab	22.5692, -12.7647, 10.2152

Details

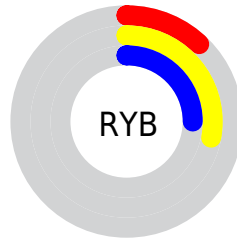
The CIELCh color $27, 29.145, 135.884$ is a dark color, and the websafe version is hex 003300 . A complement of this color would be $18, 29.716, 320.909$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 29.424, 136.148$, and $8, 19.932, 144.443$ is the 20% darker color. If you saturate the color by 10%, you get $27, 33.805, 135.294$, and if you desaturate by 10%, it is $27, 24.182, 136.492$.

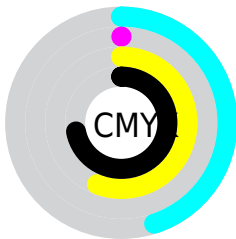
Distribution



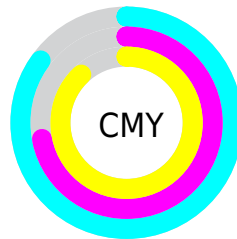
- Red (15%)
- Green (28%)
- Blue (12%)



- Red (12%)
- Yellow (28%)
- Blue (25%)



- Cyan (45%)
- Magenta (0%)
- Yellow (56%)
- Black (72%)



- Cyan (85%)
- Magenta (72%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 29.145, 135.884 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, 29.145, 135.884 by changing the saturation by 10% instead.

 27, 29.145,
135.884

 27, 29.145,
135.884

 100, 29.145,
135.884

 17, 29.145,
135.884

 47, 29.145,
135.884

 7, 29.145, 135.884

 57, 29.145,
135.884

 0, 29.145, 135.884

 67, 29.145,
135.884

 77, 29.145,
135.884

 87, 29.145,
135.884

 97, 29.145,

135.884

■ 27, 29.145,
135.884

■ 27, 29.145,
135.884

■ 27, 33.805,
135.294

■ 27, 24.182,
136.492

■ 26, 38.013,
134.780

■ 28, 19.026,
137.079

■ 26, 41.597,
134.426

■ 29, 13.768,
137.625

■ 26, 44.857,
133.931

■ 29, 8.471, 138.124

■ 26, 46.111,
133.670

■ 30, 3.188, 138.586

■ 31, 2.046, 318.895

■ 31, 7.203, 319.272

■ 32, 12.265,
319.576

■ 33, 17.219,
319.837

Harmonies

Complementary

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



27, 29.145, 135.884



18, 29.716, 320.909

Rectangle

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



27, 29.145, 135.884



27, 29.145, 185.884



27, 29.145, 315.884



27, 29.145, 5.884

Sweetspot

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



27, 29.146, 135.885



38, 11.038, 138.050



27, 20.513, 93.321



18, 7.277, 138.017



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, 29.146, 135.885



34, 41.928, 135.104



27, 25.275, 148.939



14, 2.925, 138.471



36, 58.487, 134.040



79, 107.850, 134.770

Inverse Universe

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



18, 29.716, 320.909



22, 42.748, 321.231



19, 25.416, 337.418



13, 2.940, 319.112



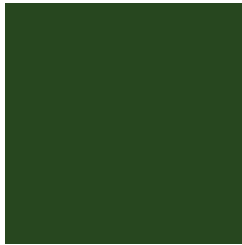
18, 58.943, 321.091



46, 107.888, 320.595

Previews

White Background



This preview shows how the CIELCh color 27, 29.145, 135.884 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 27, 29.145, 135.884 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, 29.145, 135.884

Background



This preview shows how black text looks on a background with the CIELCh color 27, 29.145, 135.884.



This preview shows how white text looks on a background with the CIELCh color 27, 29.145, 135.884.

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, 29.145, 135.884

Protanopia

27, 22.398, 96.264

Deuteranopia

27, 19.679, 79.784



Tritanopia
27, 8.500, 220.942

Trichromacy



Original Color
27, 29.145, 135.884

Protanomaly
27, 23.487, 115.458

Deuteranomaly
27, 20.257, 107.488

Tritanomaly
27, 13.409, 161.688

Monochromacy



Original Color
27, 29.145, 135.884

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, 29.145, 135.884 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(39, 71, 31)` looks like.

```
.text, #text, p{  
    color:rgb(39, 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(39, 71, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 71, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 29.145, 135.884 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(39, 71, 31) }
```

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

```
.border{ border-color:rgb(39, 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(39, 71, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 71, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 71, 31);  
box-shadow:4px 4px 4px 4px rgb(39, 71, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 29.145, 135.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 71, 31) }
```

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

```
.background{ background-color: rgb(39, 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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