

Converting Colors

CIELCh(27, 12.112, 177.900)

Have a look what the booklet for
CIELCh(27, 12.112, 177.900)
contains.

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Color

CIELCh(27, 12.221, 178.707)

Conversions

Conversions Part 1

Format	Color
Hex	29453F
RGB	41, 69, 63
RGB Percent	16%, 27%, 25%
CMY	0.8390, 0.7292, 0.7528
CMYK	0.41, 0.00, 0.09, 0.73
HSL	167°, 25%, 22%
HSV	167°, 41%, 27%
XYZ	3.9457, 5.0937, 5.4845
YIQ	59.9440, -14.7620, -7.8020

Conversions

Conversions Part 2

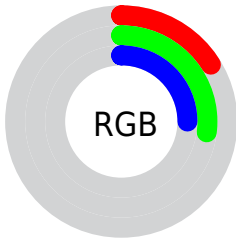
Format	Color
RYB	41, 57, 69
Decimal	2704703
CIELab	27.00, -12.22, 0.28
CIELCh	27, 12.221, 178.707
Yxy	5.0937, 0.2717, 0.3507
Android (android.graphics.Color)	4280894783 (0xFF29453F)
YUV	59.9440, 1.5066, -16.6139
Hunter-Lab	22.5692, -8.2896, 1.3905

Details

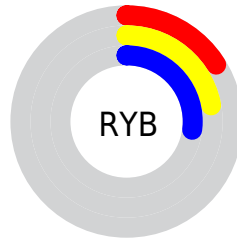
The CIELCh color **27, 12.221, 178.707** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20, 14.132, 6.434**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 11.842, 180.570**, and **7, 10.204, 177.794** is the 20% darker color. If you saturate the color by 10%, you get **27, 14.832, 177.709**, and if you desaturate by 10%, it is **27, 9.409, 179.640**.

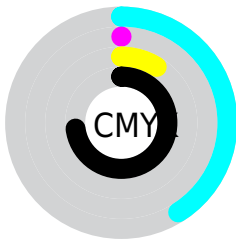
Distribution



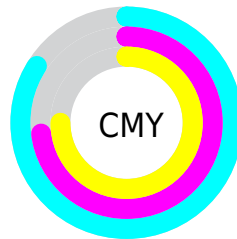
- Red (16%)
- Green (27%)
- Blue (25%)



- Red (16%)
- Yellow (22%)
- Blue (27%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (73%)





- Cyan (84%)
- Magenta (73%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 12.221, 178.707 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, 12.221, 178.707 by changing the saturation by 10% instead.

 27, 12.221,
178.707


 27, 12.221,
178.707

 100, 12.221,
178.707


 17, 12.221,
178.707


 47, 12.221,
178.707


 7, 12.221, 178.707

 57, 12.221,
178.707

 0, 12.221, 178.707

 67, 12.221,
178.707

 77, 12.221,
178.707

 87, 12.221,
178.707

 97, 12.221,

178.707

■ 27, 12.221,
178.707

■ 27, 12.221,
178.707

■ 27, 14.832,
177.709

■ 27, 9.409, 179.640

■ 26, 17.200,
176.636

■ 28, 6.437, 180.527

■ 26, 19.289,
175.472

■ 29, 3.347, 181.394

■ 26, 21.074,
174.199

■ 30, 3.045, 2.804

■ 26, 22.591,
172.844

■ 31, 6.286, 3.581

■ 25, 24.028,
171.697

■ 32, 12.751, 5.001

Harmonies

Complementary

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



27, 12.221, 178.707



20, 14.132, 6.434

Rectangle

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



27, 12.221, 178.707



27, 12.221, 228.707



27, 12.221, 358.707



27, 12.221, 48.707

Sweetspot

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



27, 12.221, 178.705



37, 4.700, 181.226



27, 20.664, 136.386



18, 3.143, 181.189



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, 12.221, 178.705



35, 17.770, 177.668



24, 9.268, 233.044



14, 1.820, 181.564



37, 31.250, 170.632



81, 58.193, 169.141

Inverse Universe

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



20, 14.132, 6.434



25, 21.396, 8.097



22, 11.666, 47.755



13, 1.874, 2.793



19, 44.912, 24.698



48, 84.880, 29.158

Previews

White Background



This preview shows how the CIELCh color 27, 12.221, 178.707 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, 12.221, 178.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

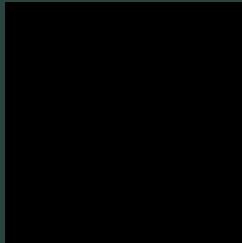
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

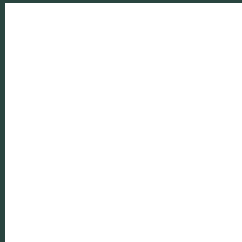
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 12.221, 178.707

Background



This preview shows how black text looks on a background with the CIELCh color 27, 12.221, 178.707.



This preview shows how white text looks on a background with the CIELCh color 27, 12.221, 178.707.

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](#).

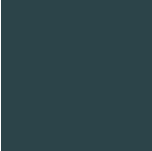
Dichromacy



Original Color
27, 12.221, 178.707

Protanopia
27, 2.378, 74.380

Deuteranopia
27, 3.719, 348.432



Tritanopia
27, 9.791, 217.603

Trichromacy



Original Color
27, 12.221, 178.707

Protanomaly
27, 4.443, 162.784

Deuteranomaly
27, 2.730, 185.216

Tritanomaly
27, 9.961, 201.629

Monochromacy



Original Color
27, 12.221, 178.707

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 4.603, 182.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 12.221, 178.707 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(41, 69, 63)` looks like.

```
.text, #text, p{  
    color:rgb(41, 69, 63)  
}
```

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(41, 69, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 69, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 12.221, 178.707 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(41, 69, 63) }
```

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

```
.border{ border-color:rgb(41, 69, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 69, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 69, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 69, 63);  
box-shadow:4px 4px 4px 4px rgb(41, 69, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 12.221, 178.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 69, 63) }
```

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

```
.background{ background-color: rgb(41, 69,  
63) }
```

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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