

Converting Colors

CIELCh(27, 11.930, 176.144)

Have a look what the booklet for
CIELCh(27, 11.930, 176.144)
contains.

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Color

CIELCh(27, 12.189, 175.408)

Conversions

Conversions Part 1

Format	Color
Hex	2A453E
RGB	42, 69, 62
RGB Percent	16%, 27%, 24%
CMY	0.8354, 0.7295, 0.7569
CMYK	0.39, 0.00, 0.10, 0.73
HSL	164°, 24%, 22%
HSV	164°, 39%, 27%
XYZ	3.9503, 5.0937, 5.3300
YIQ	60.1290, -13.8450, -7.9010

Conversions

Conversions Part 2

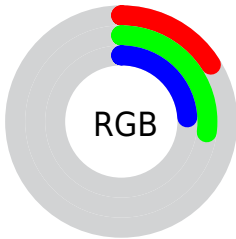
Format	Color
RYB	42, 58, 69
Decimal	2770238
CIELab	27.00, -12.15, 0.98
CIElCh	27, 12.189, 175.408
Yxy	5.0937, 0.2748, 0.3544
Android (android.graphics.Color)	4280960318 (0xFF2A453E)
YUV	60.1290, 0.9224, -15.8991
Hunter-Lab	22.5692, -8.2528, 1.7963

Details

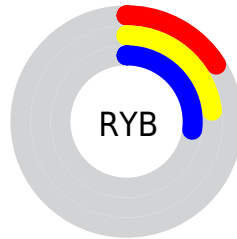
The CIELCh color **27, 12.189, 175.408** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 13.744, 2.900**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 12.011, 174.791**, and **7, 10.477, 174.409** is the 20% darker color. If you saturate the color by 10%, you get **27, 14.955, 174.364**, and if you desaturate by 10%, it is **27, 9.241, 176.376**.

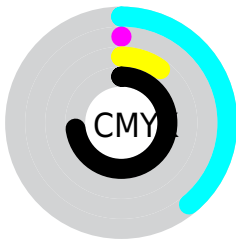
Distribution



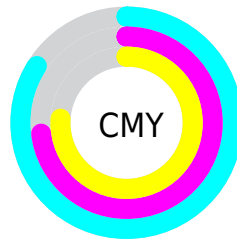
- Red (16%)
- Green (27%)
- Blue (24%)



- Red (16%)
- Yellow (23%)
- Blue (27%)



- Cyan (39%)
- Magenta (0%)
- Yellow (10%)
- Black (73%)



- Cyan (84%)
- Magenta (73%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 12.189, 175.408 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, 12.189, 175.408 by changing the saturation by 10% instead.

 27, 12.189,
175.408

 27, 12.189,
175.408

 100, 12.189,
175.408

 17, 12.189,
175.408

 47, 12.189,
175.408

 7, 12.189, 175.408

 57, 12.189,
175.408

 0, 12.189, 175.408

 67, 12.189,
175.408

 77, 12.189,
175.408

 87, 12.189,
175.408

 97, 12.189,

175.408

■ 27, 12.189,
175.408

■ 27, 12.189,
175.408

■ 27, 14.955,
174.364

■ 27, 9.241, 176.376

■ 28, 6.153, 177.291

■ 26, 17.495,
173.234

■ 29, 2.966, 178.181

■ 26, 19.771,
171.999

■ 29, 0.284, 358.099

■ 26, 21.753,
170.642

■ 30, 3.566, 359.613

■ 31, 6.854, 0.380

■ 25, 23.451,
169.173

■ 32, 10.128, 1.097

■ 25, 25.131,
167.848

■ 33, 13.371, 1.783

■ 25, 25.279,
167.743

■ 33, 16.572, 2.443

Harmonies

Complementary

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



27, 12.189, 175.408



21, 13.744, 2.900

Rectangle

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



27, 12.189, 175.408



27, 12.189, 225.408



27, 12.189, 355.408



27, 12.189, 45.408

Sweetspot

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



27, 12.189, 175.406



37, 4.811, 177.882



27, 19.634, 135.035



18, 3.217, 177.844



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, 12.189, 175.406



35, 17.727, 174.392



25, 9.016, 225.829



14, 1.862, 178.227



37, 32.993, 166.576



81, 61.691, 164.954

Inverse Universe

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



21, 13.744, 2.900



25, 20.633, 4.375



22, 11.433, 42.612



13, 1.910, 359.485



19, 43.924, 20.970



48, 82.504, 25.519

Previews

White Background



This preview shows how the CIELCh color 27, 12.189, 175.408 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, 12.189, 175.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

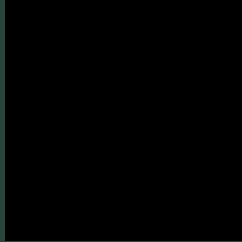
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 12.189, 175.408

Background



This preview shows how black text looks on a background with the CIELCh color 27, 12.189, 175.408.



This preview shows how white text looks on a background with the CIELCh color 27, 12.189, 175.408.

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](#).

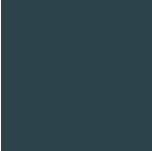
Dichromacy



Original Color
27, 12.189, 175.408

Protanopia
27, 2.936, 81.513

Deuteranopia
27, 3.860, 0.430



Tritanopia
27, 9.326, 223.157

Trichromacy



Original Color
27, 12.189, 175.408

Protanomaly
27, 4.872, 156.703

Deuteranomaly
27, 2.589, 168.895

Tritanomaly
27, 9.614, 201.818

Monochromacy



Original Color
27, 12.189, 175.408

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, 12.189, 175.408 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(42, 69, 62)` looks like.

```
.text, #text, p{  
    color:rgb(42, 69, 62)  
}
```

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(42, 69, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 69, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 12.189, 175.408 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(42, 69, 62) }
```

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

```
.border{ border-color:rgb(42, 69, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 69, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 69, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 69, 62);  
box-shadow:4px 4px 4px 4px rgb(42, 69, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 12.189, 175.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 69, 62) }
```

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

```
.background{ background-color: rgb(42, 69,  
62) }
```

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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