

Converting Colors

CIELCh(27, 12.389, 237.647)

Have a look what the booklet for
CIELCh(27, 12.389, 237.647)
contains.

CIELCh(27, 12.289, 238.085)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 12.289, 238.085)

Conversions

Conversions Part 1

Format	Color
Hex	28434F
RGB	40, 67, 79
RGB Percent	16%, 26%, 31%
CMY	0.8415, 0.7356, 0.6885
CMYK	0.49, 0.15, 0.00, 0.69
HSL	198°, 33%, 23%
HSV	198°, 49%, 31%
XYZ	4.3499, 5.0937, 8.2320
YIQ	60.2950, -19.9440, -1.9920

Conversions

Conversions Part 2

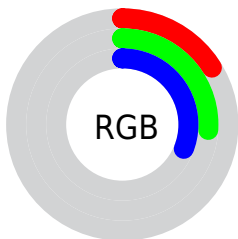
Format	Color
RYB	40, 56, 79
Decimal	2638671
CIELab	27.00, -6.50, -10.43
CIELCh	27, 12.289, 238.085
Yxy	5.0937, 0.2461, 0.2882
Android (android.graphics.Color)	4280828751 (0xFF28434F)
YUV	60.2950, 9.2216, -17.7987
Hunter-Lab	22.5692, -5.0924, -5.8274

Details

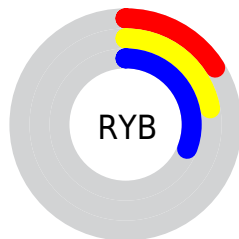
The CIELCh color **27, 12.289, 238.085** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 16.281, 50.013**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 12.193, 237.990**, and **7, 11.073, 242.417** is the 20% darker color. If you saturate the color by 10%, you get **26, 14.280, 240.085**, and if you desaturate by 10%, it is **28, 10.092, 236.457**.

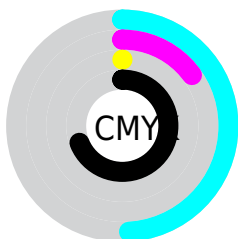
Distribution



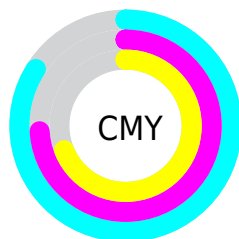
- Red (16%)
- Green (26%)
- Blue (31%)



- Red (16%)
- Yellow (22%)
- Blue (31%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (69%)



- Cyan (84%)
- Magenta (74%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 12.289, 238.085 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, 12.289, 238.085 by changing the saturation by 10% instead.

■ 27, 12.289,
238.085

■ 27, 12.289,
238.085

■ 100, 12.289,
238.085

■ 17, 12.289,
238.085

■ 47, 12.289,
238.085

■ 7, 12.289, 238.085

■ 57, 12.289,
238.085

■ 0, 12.289, 238.085

■ 67, 12.289,
238.085

■ 77, 12.289,
238.085

■ 87, 12.289,
238.085

■ 97, 12.289,

238.085

■ 27, 12.289,
238.085

■ 27, 12.289,
238.085

■ 26, 14.280,
240.085

■ 28, 10.092,
236.457

■ 25, 16.052,
242.530

■ 30, 7.715, 235.144

■ 23, 17.602,
245.482

■ 31, 5.181, 234.093

■ 32, 2.518, 233.284

■ 22, 18.954,
248.974

■ 34, 0.249, 51.446

■ 21, 20.314,
252.329

■ 35, 3.098, 51.838

■ 37, 6.010, 51.423

■ 21, 20.441,
252.606

■ 38, 8.969, 51.068

Harmonies

Complementary

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



27, 12.289, 238.085



25, 16.281, 50.013

Rectangle

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



27, 12.289, 238.085



27, 12.289, 288.085



27, 12.289, 58.085



27, 12.289, 108.085

Sweetspot

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



27, 12.289, 238.083



41, 5.040, 233.773



30, 24.048, 150.255



19, 3.387, 233.867



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, 12.289, 238.083



33, 17.404, 240.518



21, 21.189, 287.517



16, 1.582, 233.261



29, 25.118, 254.635



63, 46.529, 258.403

Inverse Universe

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



22, 24.168, 338.047



27, 34.907, 339.089



30, 19.958, 95.122



15, 2.820, 335.112



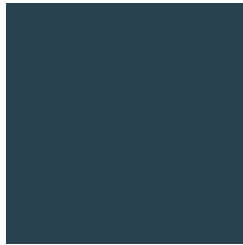
22, 48.172, 344.309



52, 85.286, 345.813

Previews

White Background



This preview shows how the CIELCh color 27, 12.289, 238.085 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, 12.289, 238.085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

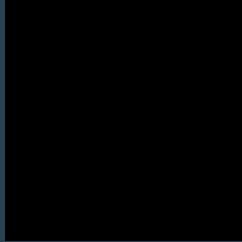
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 12.289, 238.085

Background



This preview shows how black text looks on a background with the CIELCh color 27, 12.289, 238.085.



This preview shows how white text looks on a background with the CIELCh color 27, 12.289, 238.085.

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, 12.289, 238.085

Protanopia

27, 8.497, 286.295

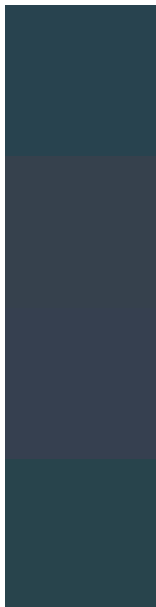
Deuteranopia

27, 12.399, 290.777



Tritanopia
27, 11.438, 217.993

Trichromacy



Original Color
27, 12.289, 238.085

Protanomaly
27, 8.820, 261.896

Deuteranomaly
27, 11.001, 271.445

Tritanomaly
27, 11.475, 225.196

Monochromacy



Original Color
27, 12.289, 238.085

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 4.939, 240.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 12.289, 238.085 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, 67, 79)` looks like.

```
.text, #text, p{  
    color:rgb(40, 67, 79)  
}
```

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, 67, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 67, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 12.289, 238.085 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, 67, 79) }
```

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

```
.border{ border-color:rgb(40, 67, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 67, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 67, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 67, 79);  
box-shadow:4px 4px 4px 4px rgb(40, 67, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 12.289, 238.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 67, 79) }
```

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

```
.background{ background-color: rgb(40, 67,  
79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor