

Converting Colors

CIELCh(27, 16.212, 336.697)

Have a look what the booklet for
CIELCh(27, 16.212, 336.697)
contains.

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Color

CIELCh(27, 16.212, 336.697)

Conversions

Conversions Part 1

Format	Color
Hex	52384A
RGB	82, 56, 74
RGB Percent	32%, 22%, 29%
CMY	0.6790, 0.7810, 0.7104
CMYK	0.00, 0.32, 0.10, 0.68
HSL	318°, 19%, 27%
HSV	318°, 32%, 32%
XYZ	6.1044, 5.0937, 7.1136
YIQ	65.8260, 9.7180, 11.1100

Conversions

Conversions Part 2

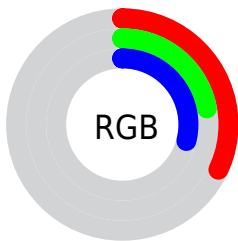
Format	Color
RYB	82, 56, 74
Decimal	5388362
CIELab	27.00, 14.89, -6.41
CIElCh	27, 16.212, 336.697
Yxy	5.0937, 0.3334, 0.2782
Android (android.graphics.Color)	4283578442 (0xFF52384A)
YUV	65.8260, 4.0298, 14.1846
Hunter-Lab	22.5692, 8.7839, -2.8892

Details


The CIELCh color $[27, 16.212, 336.697]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[32, 16.032, 152.265]$, and the grayscale version is $[28, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 16.582, 336.205]$, and $[7, 15.909, 338.209]$ is the 20% darker color. If you saturate the color by 10%, you get $[25, 21.228, 337.457]$, and if you desaturate by 10%, it is $[29, 11.089, 335.985]$.

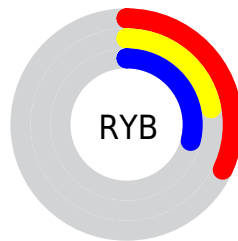
Distribution



 Red (32%)

 Green (22%)

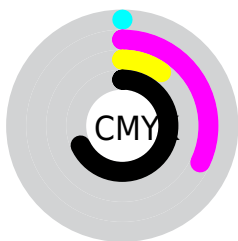
 Blue (29%)





 Red (32%)

 Yellow (22%)

 Blue (29%)

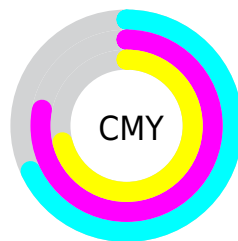



 Cyan (0%)

 Magenta (32%)

 Yellow (10%)

 Black (68%)



 Cyan (68%)


 Magenta (78%)


 Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 16.212, 336.697 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, 16.212, 336.697 by changing the saturation by 10% instead.


 27, 16.212,
336.697


 27, 16.212,
336.697

 100, 16.212,
336.697


 17, 16.212,
336.697


 47, 16.212,
336.697


 7, 16.212, 336.697

 57, 16.212,
336.697

 0, 16.212, 336.697

 67, 16.212,
336.697

 77, 16.212,
336.697

 87, 16.212,
336.697

 97, 16.212,

336.697

■ 27, 16.212,
336.697

■ 27, 16.212,
336.697

■ 25, 21.228,
337.457

■ 29, 11.089,
335.985

■ 23, 26.009,
338.274

■ 32, 5.959, 335.305

■ 21, 30.383,
339.167

■ 34, 0.884, 334.503

■ 37, 4.093, 154.155

■ 19, 34.149,
340.162

■ 40, 8.950, 153.568

■ 18, 37.102,
341.297

■ 42, 13.675,
153.029

■ 17, 39.179,
342.594

■ 45, 18.263,
152.522

■ 16, 40.895,
343.619

■ 47, 22.717,
152.045

■ 50, 27.041,
151.593

Harmonies

Complementary

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



27, 16.212, 336.697



32, 16.032, 152.265

Rectangle

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



27, 16.212, 336.697



27, 16.212, 26.697



27, 16.212, 156.697



27, 16.212, 206.697

Sweetspot

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



27, 16.211, 336.698



42, 6.325, 335.211



25, 17.473, 303.754



20, 4.267, 335.263



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



27, 16.211, 336.698



34, 24.165, 337.270



27, 12.539, 6.435



15, 2.820, 335.099



22, 48.181, 344.288



52, 85.302, 345.790

Inverse Universe

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



27, 16.211, 336.698



34, 24.165, 337.270



33, 11.122, 180.577



15, 2.820, 335.099



22, 48.181, 344.288



52, 85.302, 345.790

Previews

White Background



This preview shows how the CIELCh color 27, 16.212, 336.697 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, 16.212, 336.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

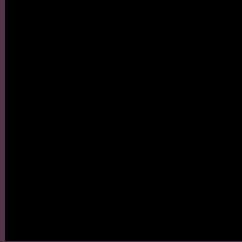
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 16.212, 336.697

Background



This preview shows how black text looks on a background with the CIELCh color 27, 16.212, 336.697.



This preview shows how white text looks on a background with the CIELCh color 27, 16.212, 336.697.

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, 16.212, 336.697

Protanopia

27, 10.468, 285.610

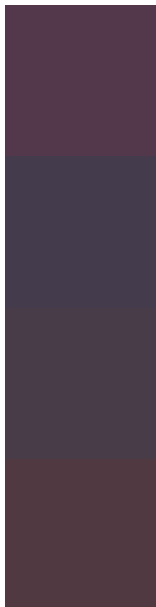
Deuteranopia

27, 7.405, 304.904



Tritanopia
27, 10.519, 7.265

Trichromacy



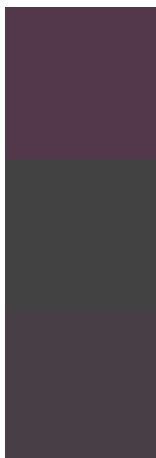
Original Color
27, 16.212, 336.697

Protanomaly
27, 11.655, 308.997

Deuteranomaly
27, 9.977, 323.141

Tritanomaly
27, 12.328, 353.751

Monochromacy



Original Color
27, 16.212, 336.697

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 6.373, 335.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 16.212, 336.697 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(82, 56, 74)` looks like.

```
.text, #text, p{  
    color:rgb(82, 56, 74)  
}
```

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(82, 56, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 56, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 16.212, 336.697 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(82, 56, 74) }
```

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

```
.border{ border-color:rgb(82, 56, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 56, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 56, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 56, 74);  
box-shadow:4px 4px 4px 4px rgb(82, 56, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 16.212, 336.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 56, 74) }
```

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

```
.background{ background-color: rgb(82, 56,  
74) }
```

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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