

Converting Colors

CIELCh(27, 16.941, 335.443)

Have a look what the booklet for
CIELCh(27, 16.941, 335.443)
contains.

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Color

CIELCh(27, 16.646, 335.073)

Conversions

Conversions Part 1

Format	Color
Hex	52384B
RGB	82, 56, 75
RGB Percent	32%, 22%, 29%
CMY	0.6794, 0.7813, 0.7068
CMYK	0.00, 0.32, 0.09, 0.68
HSL	316°, 19%, 27%
HSV	316°, 32%, 32%
XYZ	6.1233, 5.0937, 7.2743
YIQ	65.9400, 9.3970, 11.4210

Conversions

Conversions Part 2

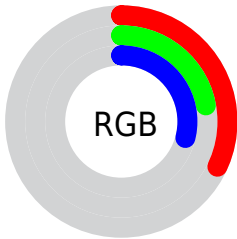
Format	Color
R_{YB}	82, 56, 75
Decimal	5388363
CIE _{Lab}	27.00, 15.10, -7.02
CIE _{LCh}	27, 16.646, 335.073
Yxy	5.0937, 0.3311, 0.2755
Android (android.graphics.Color)	4283578443 (0xFF52384B)
YUV	65.9400, 4.4666, 14.0846
Hunter-Lab	22.5692, 8.9329, -3.3115

Details

The CIELCh color $[27, 16.646, 335.073]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[32, 16.508, 150.794]$, and the grayscale version is $[28, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 16.986, 334.770]$, and $[7, 16.389, 336.238]$ is the 20% darker color. If you saturate the color by 10%, you get $[25, 21.779, 335.782]$, and if you desaturate by 10%, it is $[29, 11.397, 334.400]$.

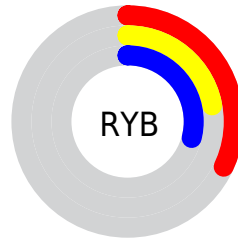
Distribution



Red (32%)

Green (22%)

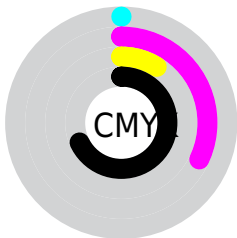
Blue (29%)



Red (32%)

Yellow (22%)

Blue (29%)

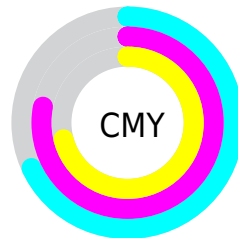


Cyan (0%)

Magenta (32%)

Yellow (9%)

Black (68%)



Cyan (68%)


Magenta (78%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 16.646, 335.073 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, 16.646, 335.073 by changing the saturation by 10% instead.

 27, 16.646,
335.073


 27, 16.646,
335.073

 100, 16.646,
335.073


 17, 16.646,
335.073


 47, 16.646,
335.073


 7, 16.646, 335.073

 57, 16.646,
335.073

 0, 16.646, 335.073

 67, 16.646,
335.073

 77, 16.646,
335.073

 87, 16.646,
335.073

 97, 16.646,

335.073

■ 27, 16.646,
335.073

■ 27, 16.646,
335.073

■ 25, 21.779,
335.782

■ 29, 11.397,
334.400

■ 23, 26.666,
336.533

■ 32, 6.134, 333.751

■ 21, 31.132,
337.339

■ 34, 0.923, 332.987

■ 37, 4.192, 152.641

■ 19, 34.975,
338.219

■ 39, 9.187, 152.071

■ 18, 37.990,
339.201

■ 42, 14.049,
151.545

■ 17, 40.119,
340.303

■ 45, 18.773,
151.050

■ 16, 41.863,
341.169

■ 47, 23.360,
150.582

■ 50, 27.814,
150.139

Harmonies

Complementary

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



27, 16.646, 335.073



32, 16.508, 150.794

Rectangle

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



27, 16.646, 335.073



27, 16.646, 25.073



27, 16.646, 155.073



27, 16.646, 205.073

Sweetspot

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



27, 16.645, 335.074



42, 6.502, 333.660



25, 17.419, 302.629



20, 4.386, 333.710



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, 16.645, 335.074



34, 24.802, 335.607



27, 12.642, 3.950



15, 2.899, 333.553



22, 49.378, 341.719



52, 87.484, 342.945

Inverse Universe

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



27, 16.645, 335.074



34, 24.802, 335.607



33, 11.349, 177.987



15, 2.899, 333.553



22, 49.378, 341.719



52, 87.484, 342.945

Previews

White Background



This preview shows how the CIELCh color 27, 16.646, 335.073 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, 16.646, 335.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

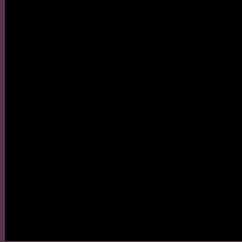
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 16.646, 335.073

Background



This preview shows how black text looks on a background with the CIELCh color 27, 16.646, 335.073.



This preview shows how white text looks on a background with the CIELCh color 27, 16.646, 335.073.

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, 16.646, 335.073

Protanopia

27, 11.112, 286.159

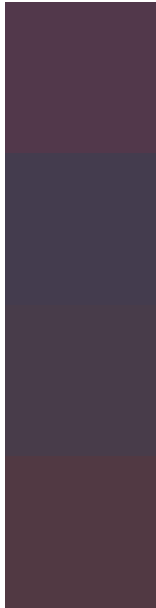
Deuteranopia

27, 8.039, 303.888



Tritanopia
27, 10.641, 3.853

Trichromacy



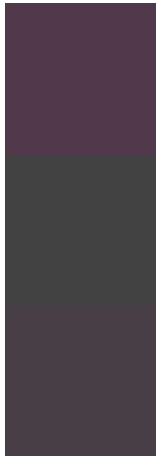
Original Color
27, 16.646, 335.073

Protanomaly
27, 12.277, 308.154

Deuteranomaly
27, 10.527, 321.270

Tritanomaly
27, 12.597, 351.078

Monochromacy



Original Color
27, 16.646, 335.073

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, 16.646, 335.073 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(82, 56, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 56, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 16.646, 335.073 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, 75) }
```

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

```
.border{ border-color:rgb(82, 56, 75) }
```

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, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 56, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 56, 75);  
box-shadow:4px 4px 4px 4px rgb(82, 56, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 16.646, 335.073 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, 75) }
```

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

```
.background{ background-color: rgb(82, 56,  
75) }
```

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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