

Converting Colors

CIELCh(27, 16.872, 198.386)

Have a look what the booklet for
CIELCh(27, 16.872, 198.386)
contains.

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Color

CIELCh(27, 16.945, 196.821)

Conversions

Conversions Part 1

Format	Color
Hex	154747
RGB	21, 71, 71
RGB Percent	8%, 28%, 28%
CMY	0.9185, 0.7223, 0.7223
CMYK	0.71, 0.00, 0.00, 0.72
HSL	180°, 55%, 18%
HSV	180°, 71%, 28%
XYZ	3.6783, 5.0937, 6.7210
YIQ	56.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

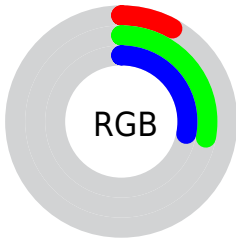
Format	Color
R_{YB}	21, 46, 71
Decimal	1394503
CIE Lab	27.00, -16.22, -4.90
CIE LCh	27, 16.945, 196.821
Yxy	5.0937, 0.2374, 0.3288
Android (android.graphics.Color)	4279584583 (0xFF154747)
YUV	56.0500, 7.3703, -30.7389
Hunter-Lab	22.5692, -10.4041, -1.8580

Details

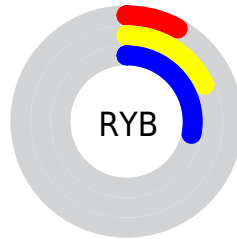
The CIELCh color **27, 16.945, 196.821** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 27.200, 28.273**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 17.130, 195.570**, and **8, 10.492, 197.766** is the 20% darker color. If you saturate the color by 10%, you get **27, 18.164, 196.641**, and if you desaturate by 10%, it is **27, 15.382, 197.050**.

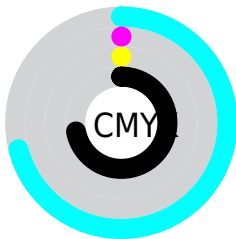
Distribution



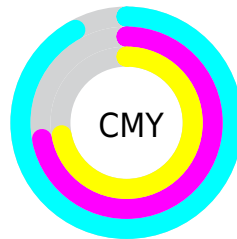
- Red (8%)
- Green (28%)
- Blue (28%)



- Red (8%)
- Yellow (18%)
- Blue (28%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (72%)





- Cyan (92%)
- Magenta (72%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 16.945, 196.821 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, 16.945, 196.821 by changing the saturation by 10% instead.

 27, 16.945,
196.821


 27, 16.945,
196.821

 100, 16.945,
196.821


 17, 16.945,
196.821


 47, 16.945,
196.821


 7, 16.945, 196.821

 57, 16.945,
196.821

 0, 16.945, 196.821

 67, 16.945,
196.821

 77, 16.945,
196.821

 87, 16.945,
196.821

 97, 16.945,

196.821

■ 27, 16.945,
196.821

■ 27, 16.945,
196.821

■ 27, 18.164,
196.641

■ 27, 15.382,
197.050

■ 27, 19.079,
196.509

■ 28, 13.490,
197.334

■ 27, 19.909,
196.389

■ 28, 11.293,
197.668

■ 28, 8.828, 198.050

■ 29, 6.131, 198.481

■ 29, 3.243, 198.972

■ 30, 0.203, 200.675

■ 31, 2.954, 19.795

■ 31, 6.196, 20.370

Harmonies

Complementary

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



27, 16.945, 196.821



15, 27.200, 28.273

Rectangle

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



27, 16.945, 196.821



27, 16.945, 246.821



27, 16.945, 16.821



27, 16.945, 66.821

Sweetspot

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



27, 16.945, 196.820



37, 7.705, 198.428



26, 37.405, 138.895



18, 5.123, 198.378



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, 16.945, 196.820



35, 22.513, 196.540



18, 18.489, 268.962



14, 1.715, 199.088



38, 25.121, 196.389



82, 45.888, 196.390

Inverse Universe

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



17, 36.935, 327.547



21, 50.836, 327.985



21, 22.170, 67.462



13, 3.122, 324.835



22, 57.931, 328.233



54, 105.821, 328.233

Previews

White Background



This preview shows how the CIELCh color 27, 16.945, 196.821 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, 16.945, 196.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

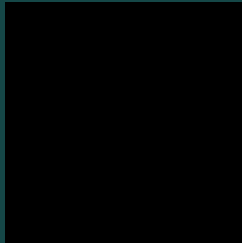
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 16.945, 196.821

Background



This preview shows how black text looks on a background with the CIELCh color 27, 16.945, 196.821.



This preview shows how white text looks on a background with the CIELCh color 27, 16.945, 196.821.

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, 16.945, 196.821

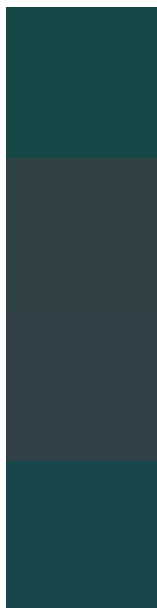
Protanopia
27, 2.014, 303.251

Deuteranopia
27, 7.405, 304.904



Tritanopia
27, 15.693, 211.752

Trichromacy



Original Color
27, 16.945, 196.821

Protanomaly
27, 7.470, 208.391

Deuteranomaly
27, 7.458, 236.658

Tritanomaly
27, 15.919, 206.586

Monochromacy



Original Color
27, 16.945, 196.821

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 7.548, 198.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 16.945, 196.821 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(21, 71, 71)` looks like.

```
.text, #text, p{  
    color:rgb(21, 71, 71)  
}
```

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(21, 71, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 71, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 16.945, 196.821 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(21, 71, 71) }
```

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

```
.border{ border-color:rgb(21, 71, 71) }
```

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

Here you see how a box with a 4 pixel rgb(21, 71, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 71, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 71, 71);  
box-shadow:4px 4px 4px 4px rgb(21, 71, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 16.945, 196.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 71, 71) }
```

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

```
.background{ background-color: rgb(21, 71,  
71) }
```

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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