

Converting Colors

CIELCh(27, 17.366, 196.798)

Have a look what the booklet for
CIELCh(27, 17.366, 196.798)
contains.

CIELCh(27, 17.326, 196.765)	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, 17.326, 196.765)

Conversions

Conversions Part 1

Format	Color
Hex	134747
RGB	19, 71, 71
RGB Percent	7%, 28%, 28%
CMY	0.9257, 0.7217, 0.7217
CMYK	0.73, 0.00, 0.00, 0.72
HSL	180°, 58%, 18%
HSV	180°, 73%, 28%
XYZ	3.6543, 5.0937, 6.7451
YIQ	55.4520, -30.9920, -11.0240

Conversions

Conversions Part 2

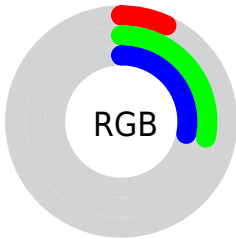
Format	Color
R_{YB}	19, 45, 71
Decimal	1263431
CIE Lab	27.00, -16.59, -5.00
CIE LCh	27, 17.326, 196.765
Yxy	5.0937, 0.2359, 0.3288
Android (android.graphics.Color)	4279453511 (0xFF134747)
YUV	55.4520, 7.6652, -31.9684
Hunter-Lab	22.5692, -10.5944, -1.9211

Details

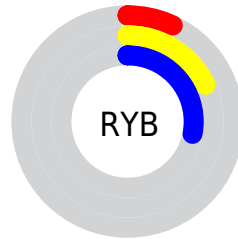
The CIELCh color **27, 17.326, 196.765** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 28.321, 28.778**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 17.423, 195.572**, and **8, 10.492, 197.766** is the 20% darker color. If you saturate the color by 10%, you get **27, 18.454, 196.599**, and if you desaturate by 10%, it is **27, 15.851, 196.981**.

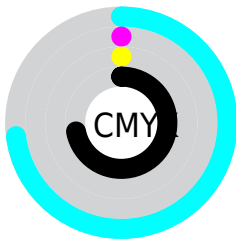
Distribution



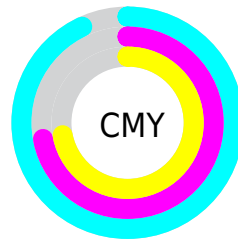
- Red (7%)
- Green (28%)
- Blue (28%)



- Red (7%)
- Yellow (18%)
- Blue (28%)



- Cyan (73%)
- Magenta (0%)
- Yellow (0%)
- Black (72%)





- Cyan (93%)
- Magenta (72%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 17.326, 196.765 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, 17.326, 196.765 by changing the saturation by 10% instead.

 27, 17.326,
196.765


 27, 17.326,
196.765

 100, 17.326,
196.765


 17, 17.326,
196.765


 47, 17.326,
196.765


 7, 17.326, 196.765

 57, 17.326,
196.765

 0, 17.326, 196.765

 67, 17.326,
196.765

 77, 17.326,
196.765

 87, 17.326,
196.765

 97, 17.326,

196.765

■ 27, 17.326,
196.765

■ 27, 17.326,
196.765

■ 27, 18.454,
196.599

■ 27, 15.851,
196.981

■ 27, 19.338,
196.471

■ 28, 14.041,
197.250

■ 27, 19.935,
196.385

■ 28, 11.919,
197.571

■ 28, 9.517, 197.942

■ 29, 6.874, 198.359

■ 29, 4.028, 198.831

■ 30, 1.019, 199.501

■ 31, 2.115, 19.621

■ 31, 5.343, 20.220

Harmonies

Complementary

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



27, 17.326, 196.765



15, 28.321, 28.778

Rectangle

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



27, 17.326, 196.765



27, 17.326, 246.765



27, 17.326, 16.765



27, 17.326, 66.765

Sweetspot

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



27, 17.326, 196.764



37, 8.049, 198.379



26, 38.414, 138.374



18, 5.313, 198.335



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, 17.326, 196.764



35, 22.786, 196.503



18, 18.709, 267.913



14, 1.715, 199.086



38, 25.122, 196.385



82, 45.890, 196.385

Inverse Universe

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



15, 28.321, 28.778



18, 41.996, 33.288



21, 23.089, 65.561



13, 1.799, 19.787



19, 49.402, 35.622



47, 95.757, 40.000

Previews

White Background



This preview shows how the CIELCh color 27, 17.326, 196.765 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, 17.326, 196.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

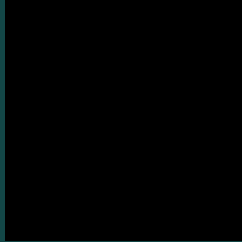
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

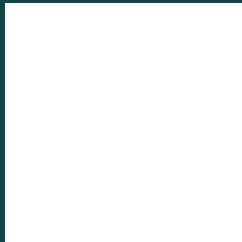
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 17.326, 196.765

Background



This preview shows how black text looks on a background with the CIELCh color 27, 17.326, 196.765.



This preview shows how white text looks on a background with the CIELCh color 27, 17.326, 196.765.

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, 17.326, 196.765

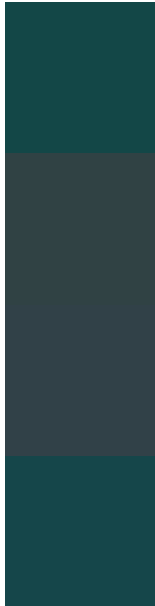
Protanopia
27, 2.014, 303.251

Deuteranopia
27, 7.405, 304.904



Tritanopia
27, 16.085, 211.337

Trichromacy



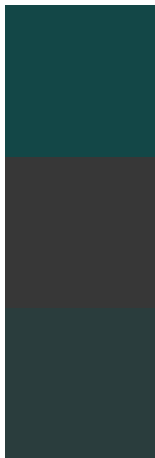
Original Color
27, 17.326, 196.765

Protanomaly
27, 7.470, 208.391

Deuteranomaly
26, 7.754, 234.932

Tritanomaly
27, 16.313, 206.299

Monochromacy



Original Color
27, 17.326, 196.765

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 7.926, 198.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 17.326, 196.765 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(19, 71, 71)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 71, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 71, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 17.326, 196.765 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(19, 71, 71) }
```

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

```
.border{ border-color:rgb(19, 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(19, 71, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 71, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 71, 71);  
box-shadow:4px 4px 4px 4px rgb(19, 71, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 17.326, 196.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 71, 71) }
```

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

```
.background{ background-color: rgb(19, 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](#).

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