

Converting Colors

CIELCh(27, 1.703, 55.092)

Have a look what the booklet for
CIELCh(27, 1.703, 55.092) contains.

CIELCh(27, 1.503, 45.026)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(27, 1.503, 45.026)

Conversions

Conversions Part 1

Format	Color
Hex	423F3E
RGB	66, 63, 62
RGB Percent	26%, 25%, 24%
CMY	0.7404, 0.7521, 0.7560
CMYK	0.00, 0.05, 0.06, 0.74
HSL	15°, 3%, 25%
HSV	15°, 6%, 26%
XYZ	4.9251, 5.0937, 5.3109
YIQ	63.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

Format	Color
R_{YB}	66, 63, 62
Decimal	4341566
CIE _{Lab}	27.00, 1.06, 1.06
CIE _{LCh}	27, 1.503, 45.026
Yxy	5.0937, 0.3213, 0.3323
Android (android.graphics.Color)	4282531646 (0xFF423F3E)
YUV	63.7830, -0.8790, 1.9443
Hunter-Lab	22.5692, -0.5433, 1.8464

Details

The CIELCh color **27, 1.503, 45.026** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 1.459, 225.881**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 1.697, 63.301**, and **7, 1.628, 43.597** is the 20% darker color. If you saturate the color by 10%, you get **25, 4.132, 44.822**, and if you desaturate by 10%, it is **29, 0.954, 225.874**.

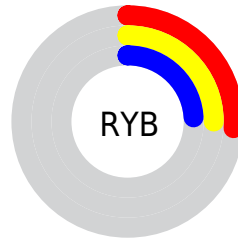
Distribution



 Red (26%)

 Green (25%)

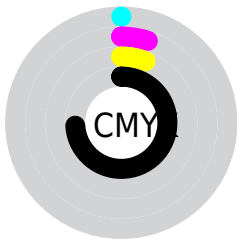
 Blue (24%)



 Red (26%)

 Yellow (25%)

 Blue (24%)

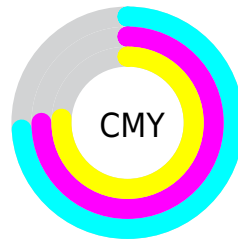



 Cyan (0%)

 Magenta (5%)

 Yellow (6%)

 Black (74%)



 Cyan (74%)

 Magenta (75%)

 Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 1.503, 45.026 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, 1.503, 45.026 by changing the saturation by 10% instead.

■ 27, 1.503, 45.026 ■ 27, 1.503, 45.026

■ 100, 1.503, 45.026 ■ 17, 1.503, 45.026

■ 47, 1.503, 45.026 ■ 7, 1.503, 45.026

■ 57, 1.503, 45.026 ■ 0, 1.503, 45.026

■ 67, 1.503, 45.026

■ 77, 1.503, 45.026

■ 87, 1.503, 45.026

■ 97, 1.503, 45.026

■ 27, 1.503, 45.026 ■ 27, 1.503, 45.026

■ 25, 4.132, 44.822 ■ 29, 0.954, 225.874

24, 6.950, 44.568	31, 3.254, 226.129
22, 9.971, 44.387	32, 5.414, 226.559
20, 13.203, 44.307	34, 7.449, 227.024
19, 16.649, 44.348	36, 9.373, 227.503
17, 20.293, 44.524	38, 11.197, 227.989
16, 23.884, 44.313	40, 12.934, 228.475
15, 26.805, 42.687	41, 14.593, 228.958
13, 29.424, 41.166	43, 16.182, 229.434

Harmonies

Complementary

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



27, 1.503, 45.026



27, 1.459, 225.881

Rectangle

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



27, 1.503, 45.026



27, 1.503, 95.026



27, 1.503, 225.026



27, 1.503, 275.026

Sweetspot

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



27, 1.503, 45.065



36, 0.613, 44.906



27, 2.666, 332.627



17, 0.343, 44.850



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



27, 1.503, 45.065



35, 2.188, 45.047



28, 1.987, 96.569



12, 1.111, 45.055



21, 44.358, 44.395



50, 88.460, 44.899

Inverse Universe

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



27, 1.459, 225.881



36, 2.110, 225.913



27, 2.001, 277.912



12, 1.074, 225.899



28, 22.184, 243.162



65, 41.702, 246.965

Previews

White Background



This preview shows how the CIELCh color 27, 1.503, 45.026 looks on a white background.

Color Contrast Check

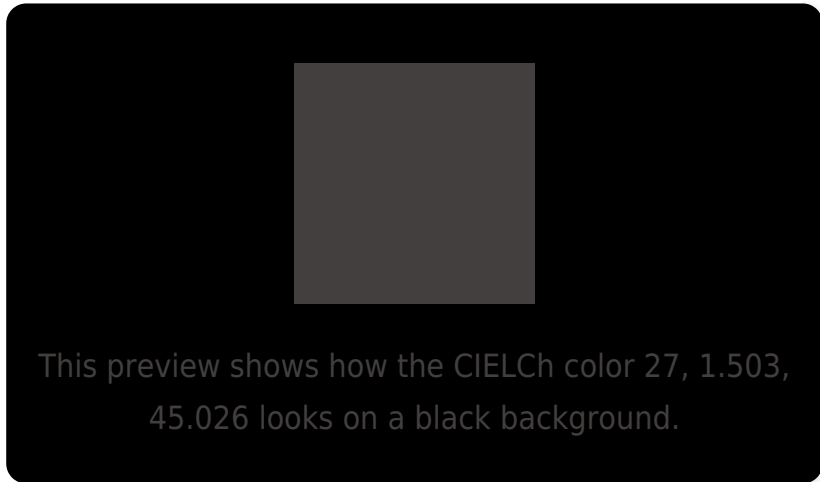
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

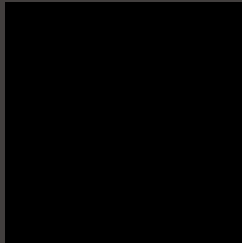
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 1.503, 45.026

Background



This preview shows how black text looks on a background with the CIELCh color 27, 1.503, 45.026.

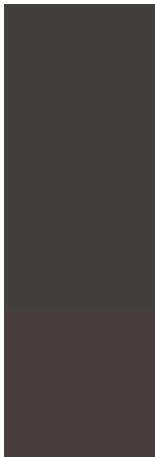


This preview shows how white text looks on a background with the CIELCh color 27, 1.503, 45.026.

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, 1.503, 45.026

Protanopia

27, 1.367, 90.550

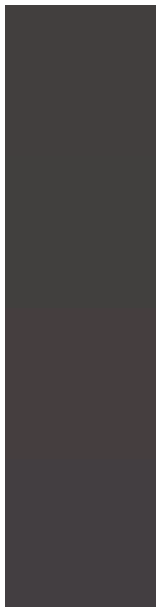
Deuteranopia

27, 3.707, 9.951



Tritanopia
27, 3.964, 324.772

Trichromacy



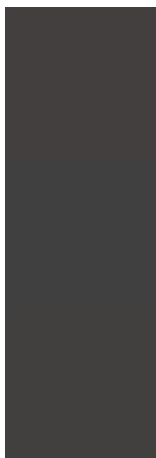
Original Color
27, 1.503, 45.026

Protanomaly
27, 1.367, 90.550

Deuteranomaly
27, 3.254, 8.426

Tritanomaly
27, 2.989, 339.067

Monochromacy



Original Color
27, 1.503, 45.026

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 0.783, 74.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 1.503, 45.026 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(66, 63, 62)` looks like.

```
.text, #text, p{  
    color:rgb(66, 63, 62)  
}
```

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(66, 63, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 63, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 1.503, 45.026 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(66, 63, 62) }
```

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

```
.border{ border-color:rgb(66, 63, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 63, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 63, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 63, 62);  
box-shadow:4px 4px 4px 4px rgb(66, 63, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 1.503, 45.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 63, 62) }
```

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

```
.background{ background-color: rgb(66, 63,  
62) }
```

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