

Converting Colors

CIELCh(27, 8.060, 151.697)

Have a look what the booklet for
CIELCh(27, 8.060, 151.697) contains.

CIELCh(27, 7.995, 151.242)	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, 7.995, 151.242)

Conversions

Conversions Part 1

Format	Color
Hex	37433A
RGB	55, 67, 58
RGB Percent	22%, 26%, 23%
CMY	0.7853, 0.7382, 0.7735
CMYK	0.18, 0.00, 0.13, 0.74
HSL	135°, 10%, 24%
HSV	135°, 18%, 26%
XYZ	4.3127, 5.0937, 4.7269
YIQ	62.3860, -4.2630, -5.3430

Conversions

Conversions Part 2

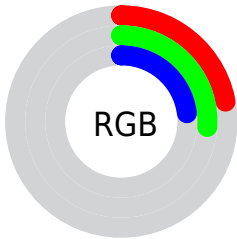
Format	Color
R_{YB}	55, 65, 67
Decimal	3621690
CIE Lab	27.00, -7.01, 3.85
CIE LCh	27, 7.995, 151.242
Yxy	5.0937, 0.3051, 0.3604
Android (android.graphics.Color)	4281811770 (0xFF37433A)
YUV	62.3860, -2.1623, -6.4775
Hunter-Lab	22.5692, -5.3872, 3.3807

Details

The CIELCh color $27, 7.995, 151.242$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $25, 8.036, 333.367$, and the grayscale version is $26, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 7.986, 150.932$, and $7, 7.689, 150.593$ is the 20% darker color. If you saturate the color by 10%, you get $26, 12.460, 150.494$, and if you desaturate by 10%, it is $28, 3.530, 151.918$.

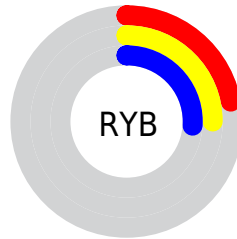
Distribution



Red (22%)

Green (26%)

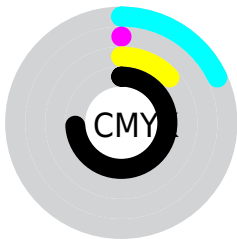
Blue (23%)



Red (22%)

Yellow (25%)

Blue (26%)

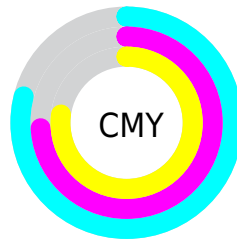


Cyan (18%)

Magenta (0%)

Yellow (13%)

Black (74%)



Cyan (79%)

Magenta (74%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 7.995, 151.242 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, 7.995, 151.242 by changing the saturation by 10% instead.

■ 27, 7.995, 151.242

■ 27, 7.995, 151.242

■ 100, 7.995,
151.242

■ 17, 7.995, 151.242

■ 47, 7.995, 151.242

■ 7, 7.995, 151.242

■ 57, 7.995, 151.242

■ 0, 7.995, 151.242

■ 67, 7.995, 151.242

■ 77, 7.995, 151.242

■ 87, 7.995, 151.242

■ 97, 7.995, 151.242

■ 27, 7.995, 151.242

■ 27, 7.995, 151.242

■ 26, 12.460,
150.494

■ 28, 3.530, 151.918

■ 26, 16.873,
149.648

■ 28, 0.899, 332.288

■ 29, 5.260, 332.938

■ 25, 21.177,
148.688

■ 30, 9.532, 333.409

■ 25, 25.305,
147.602

■ 31, 13.701,
333.824

■ 25, 29.186,
146.381

■ 32, 17.756,
334.197

■ 24, 32.750,
145.025

■ 33, 21.695,
334.535

■ 24, 35.946,
143.569

■ 34, 25.514,
334.842

■ 24, 38.943,
142.397

■ 35, 29.217,
335.123

■ 24, 39.532,

Harmonies

Complementary

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



27, 7.995, 151.242



25, 8.036, 333.367

Rectangle

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



27, 7.995, 151.242



27, 7.995, 201.242



27, 7.995, 331.242



27, 7.995, 21.242

Sweetspot

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



27, 7.996, 151.241



36, 2.747, 152.107



28, 7.855, 118.924



17, 1.845, 152.087



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, 7.996, 151.241



35, 12.178, 150.882



27, 5.599, 178.084



12, 2.450, 151.882



35, 52.379, 140.999



78, 100.042, 139.500

Inverse Universe

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



25, 8.036, 333.367



31, 12.249, 333.673



24, 5.910, 1.062



12, 2.460, 332.787



20, 47.486, 340.367



50, 86.468, 341.576

Previews

White Background



This preview shows how the CIELCh color 27, 7.995, 151.242 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, 7.995, 151.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

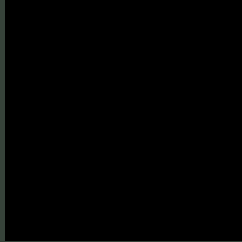
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 7.995, 151.242

Background



This preview shows how black text looks on a background with the CIELCh color 27, 7.995, 151.242.

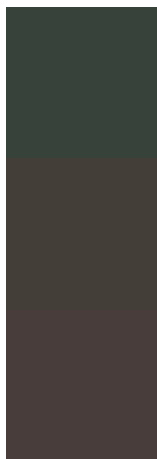


This preview shows how white text looks on a background with the CIELCh color 27, 7.995, 151.242.

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

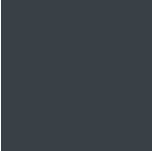
27, 7.995, 151.242

Protanopia

27, 4.913, 86.770

Deuteranopia

27, 5.308, 34.323



Tritanopia
27, 4.624, 243.965

Trichromacy



Original Color

27, 7.995, 151.242

Protanomaly

27, 4.567, 115.065

Deuteranomaly

27, 2.936, 81.513

Tritanomaly

27, 4.304, 198.748

Monochromacy



Original Color

27, 7.995, 151.242

Achromatopsia

26, 0.004, 296.813

Achromatomaly

27, 3.464, 150.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 7.995, 151.242 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(55, 67, 58)` looks like.

```
.text, #text, p{  
    color:rgb(55, 67, 58)  
}
```

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(55, 67, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 67, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 7.995, 151.242 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(55, 67, 58) }
```

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

```
.border{ border-color:rgb(55, 67, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 67, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 67, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 67, 58);  
box-shadow:4px 4px 4px 4px rgb(55, 67, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 7.995, 151.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 67, 58) }
```

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

```
.background{ background-color: rgb(55, 67,  
58) }
```

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