

Converting Colors

CIELCh(27, 12.435, 154.849)

Have a look what the booklet for
CIELCh(27, 12.435, 154.849)
contains.

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Color

CIELCh(27, 12.332, 154.265)

Conversions

Conversions Part 1

Format	Color
Hex	304437
RGB	48, 68, 55
RGB Percent	19%, 27%, 22%
CMY	0.8104, 0.7319, 0.7830
CMYK	0.29, 0.00, 0.19, 0.73
HSL	141°, 17%, 23%
HSV	141°, 29%, 27%
XYZ	4.0220, 5.0937, 4.4291
YIQ	60.5380, -7.7470, -8.2830

Conversions

Conversions Part 2

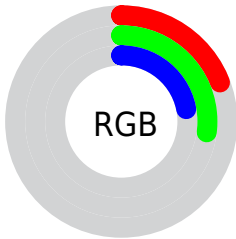
Format	Color
RYB	48, 63, 68
Decimal	3163191
CIELab	27.00, -11.11, 5.35
CIELCh	27, 12.332, 154.265
Yxy	5.0937, 0.2969, 0.3761
Android (android.graphics.Color)	4281353271 (0xFF304437)
YUV	60.5380, -2.7302, -10.9958
Hunter-Lab	22.5692, -7.6860, 4.1629

Details

The CIELCh color **27, 12.332, 154.265** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 12.504, 338.329**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 11.964, 154.374**, and **7, 12.928, 153.564** is the 20% darker color. If you saturate the color by 10%, you get **26, 16.477, 153.354**, and if you desaturate by 10%, it is **28, 8.124, 155.076**.

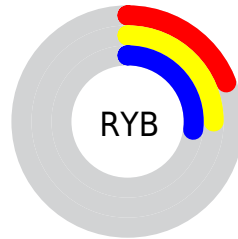
Distribution



Red (19%)

Green (27%)

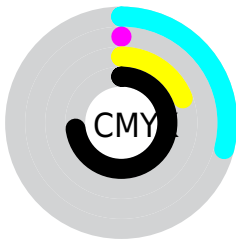
Blue (22%)



Red (19%)

Yellow (25%)

Blue (27%)

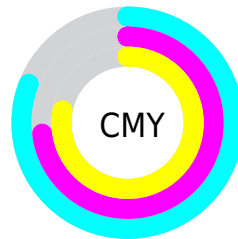


Cyan (29%)

Magenta (0%)

Yellow (19%)

Black (73%)



Cyan (81%)


Magenta (73%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 12.332, 154.265 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, 12.332, 154.265 by changing the saturation by 10% instead.

 27, 12.332,
154.265


 27, 12.332,
154.265

 100, 12.332,
154.265


 17, 12.332,
154.265

 47, 12.332,
154.265


 7, 12.332, 154.265

 57, 12.332,
154.265

 0, 12.332, 154.265

 67, 12.332,
154.265

 77, 12.332,
154.265

 87, 12.332,
154.265

 97, 12.332,

154.265

■ 27, 12.332,
154.265

■ 27, 12.332,
154.265

■ 26, 16.477,
153.354

■ 28, 8.124, 155.076

■ 28, 3.899, 155.814

■ 26, 20.502,
152.327

■ 29, 0.306, 335.873

■ 26, 24.348,
151.168

■ 30, 4.458, 336.954

■ 25, 27.955,
149.864

■ 31, 8.536, 337.494

■ 32, 12.523,
337.976

■ 25, 31.266,
148.405

■ 33, 16.409,
338.416

■ 25, 34.261,
146.835

■ 24, 37.155,
145.531

■ 34, 20.189,
338.819

■ 24, 37.361,
145.450

■ 35, 23.858,
339.192

Harmonies

Complementary

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



27, 12.332, 154.265



23, 12.504, 338.329

Rectangle

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



27, 12.332, 154.265



27, 12.332, 204.265



27, 12.332, 334.265



27, 12.332, 24.265

Sweetspot

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



27, 12.333, 154.264



37, 4.719, 155.807



28, 13.191, 121.621



18, 3.309, 155.751



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, 12.333, 154.264



35, 18.350, 153.622



27, 8.731, 183.553



12, 2.277, 155.873



35, 48.700, 144.217



79, 93.368, 142.490

Inverse Universe

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



23, 12.504, 338.329



29, 18.647, 338.878



22, 9.820, 8.547



12, 2.290, 336.858



20, 44.645, 347.057



49, 81.164, 349.070

Previews

White Background



This preview shows how the CIELCh color 27, 12.332, 154.265 looks on a white background.

Color Contrast Check

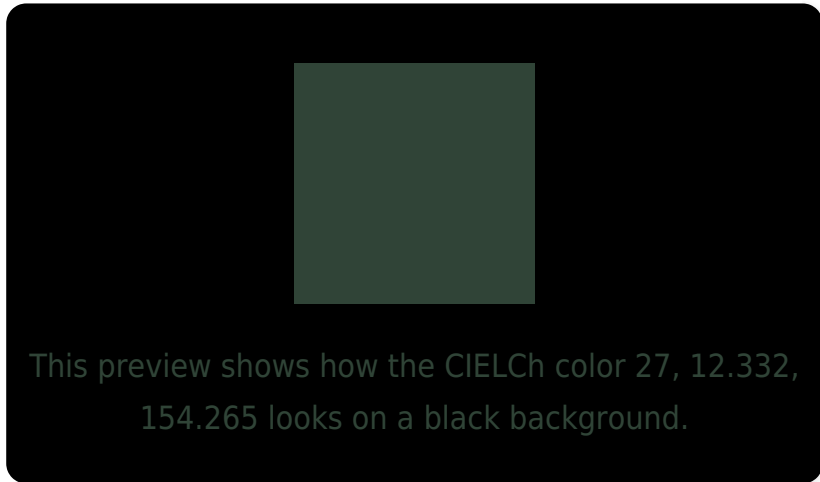
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.332, 154.265

Background



This preview shows how black text looks on a background with the CIELCh color 27, 12.332, 154.265.

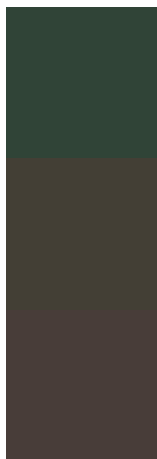


This preview shows how white text looks on a background with the CIELCh color 27, 12.332, 154.265.

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](#).

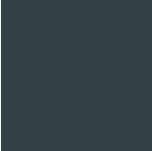
Dichromacy



Original Color
27, 12.332, 154.265

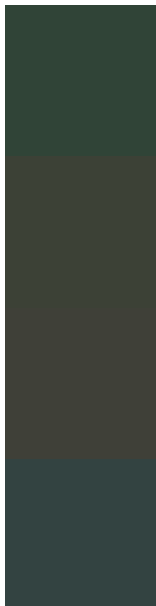
Protanopia
27, 6.761, 92.475

Deuteranopia
27, 5.823, 46.531



Tritanopia
27, 6.513, 228.785

Trichromacy



Original Color
27, 12.332, 154.265

Protanomaly
27, 7.510, 126.778

Deuteranomaly
27, 5.211, 114.238

Tritanomaly
27, 6.950, 187.439

Monochromacy



Original Color
27, 12.332, 154.265

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 4.885, 156.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 12.332, 154.265 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(48, 68, 55)` looks like.

```
.text, #text, p{  
    color:rgb(48, 68, 55)  
}
```

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(48, 68, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 68, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 12.332, 154.265 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(48, 68, 55) }
```

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

```
.border{ border-color:rgb(48, 68, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 68, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 68, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 68, 55);  
box-shadow:4px 4px 4px 4px rgb(48, 68, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 12.332, 154.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 68, 55) }
```

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

```
.background{ background-color: rgb(48, 68,  
55) }
```

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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