

Converting Colors

CIELCh(27, 12.458, 138.584)

Have a look what the booklet for
CIELCh(27, 12.458, 138.584)
contains.

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Color

CIELCh(27, 12.767, 138.375)

Conversions

Conversions Part 1

Format	Color
Hex	364433
RGB	54, 68, 51
RGB Percent	21%, 27%, 20%
CMY	0.7898, 0.7349, 0.8015
CMYK	0.21, 0.00, 0.25, 0.73
HSL	109°, 14%, 23%
HSV	109°, 25%, 27%
XYZ	4.1314, 5.0937, 3.8523
YIQ	61.8760, -2.8870, -8.2550

Conversions

Conversions Part 2

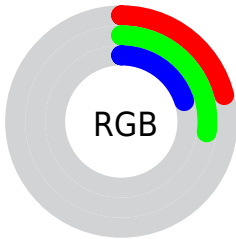
Format	Color
R_{YB}	51, 68, 65
Decimal	3556403
CIE _{Lab}	27.00, -9.54, 8.48
CIE _{LCh}	27, 12.767, 138.375
Yxy	5.0937, 0.3159, 0.3895
Android (android.graphics.Color)	4281746483 (0xFF364433)
YUV	61.8760, -5.3619, -6.9073
Hunter-Lab	22.5692, -6.8209, 5.6783

Details

The CIELCh color **27, 12.767, 138.375** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 12.884, 320.513**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 12.856, 137.763**, and **7, 12.424, 138.123** is the 20% darker color. If you saturate the color by 10%, you get **26, 17.839, 137.820**, and if you desaturate by 10%, it is **28, 7.667, 138.880**.

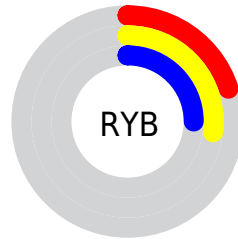
Distribution



Red (21%)

Green (27%)

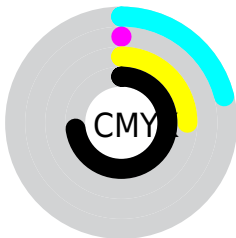
Blue (20%)



Red (20%)

Yellow (27%)

Blue (25%)

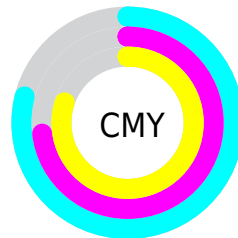


Cyan (21%)

Magenta (0%)

Yellow (25%)

Black (73%)



Cyan (79%)


Magenta (73%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 12.767, 138.375 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, 12.767, 138.375 by changing the saturation by 10% instead.

 27, 12.767,
138.375


 27, 12.767,
138.375

 100, 12.767,
138.375


 17, 12.767,
138.375


 47, 12.767,
138.375


 7, 12.767, 138.375

 57, 12.767,
138.375

 0, 12.767, 138.375

 67, 12.767,
138.375

 77, 12.767,
138.375

 87, 12.767,
138.375

 97, 12.767,

138.375

■ 27, 12.767,
138.375

■ 27, 12.767,
138.375

■ 26, 17.839,
137.820

■ 28, 7.667, 138.880

■ 28, 2.583, 139.349

■ 26, 22.818,
137.218

■ 29, 2.448, 319.660

■ 25, 27.623,
136.585

■ 30, 7.402, 320.028

■ 25, 32.149,
135.955

■ 31, 12.260,
320.331

■ 25, 36.261,
135.380

■ 32, 17.011,
320.591

■ 25, 39.797,
134.938

■ 32, 21.648,
320.815

■ 24, 42.945,
134.450

■ 33, 26.168,
321.009

■ 24, 44.432,
134.137

■ 34, 30.570,
321.176

Harmonies

Complementary

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



27, 12.767, 138.375



23, 12.884, 320.513

Rectangle

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



27, 12.767, 138.375



27, 12.767, 188.375



27, 12.767, 318.375



27, 12.767, 8.375

Sweetspot

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



27, 12.768, 138.376



36, 4.970, 139.198



27, 9.078, 98.856



17, 3.478, 139.161



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, 12.768, 138.376



34, 18.750, 138.045



27, 10.758, 153.257



12, 2.765, 139.191



35, 57.644, 134.326



78, 107.294, 135.023

Inverse Universe

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



23, 12.884, 320.513



29, 18.955, 320.755



23, 10.865, 336.555



12, 2.778, 319.829



18, 57.698, 321.928



47, 106.601, 321.467

Previews

White Background



This preview shows how the CIELCh color 27, 12.767, 138.375 looks on a white background.

Color Contrast Check

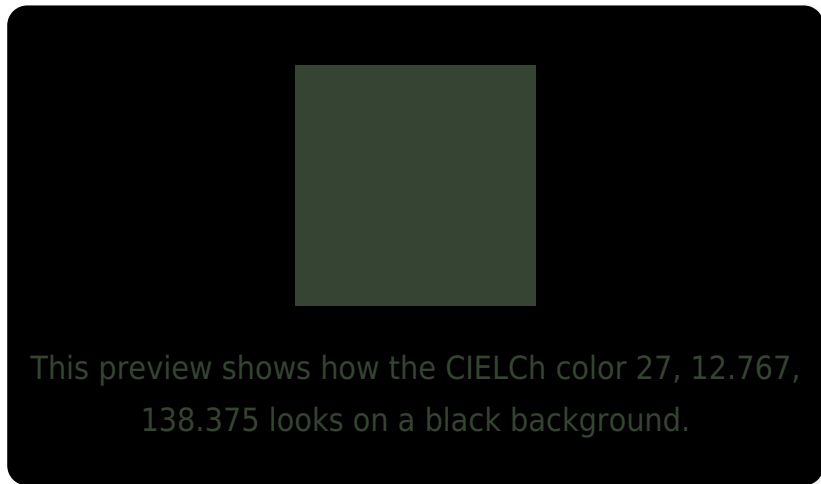
Large Text (above 18pt) WCAG AA ✓ Pass

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

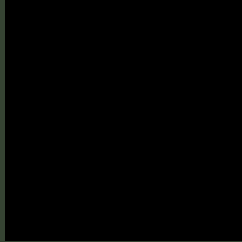
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 12.767, 138.375

Background



This preview shows how black text looks on a background with the CIELCh color 27, 12.767, 138.375.

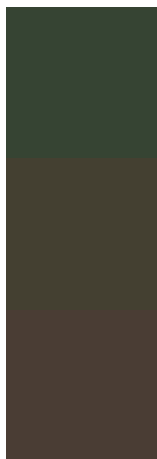


This preview shows how white text looks on a background with the CIELCh color 27, 12.767, 138.375.

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

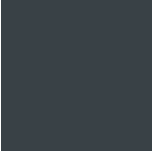
27, 12.767, 138.375

Protanopia

27, 9.884, 96.870

Deuteranopia

27, 8.660, 62.218



Tritanopia
27, 4.624, 243.965

Trichromacy



Original Color
27, 12.767, 138.375

Protanomaly
27, 9.727, 113.856

Deuteranomaly
27, 8.015, 94.695

Tritanomaly
27, 4.830, 174.762

Monochromacy



Original Color
27, 12.767, 138.375

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 4.553, 139.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 12.767, 138.375 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(54, 68, 51)` looks like.

```
.text, #text, p{  
    color:rgb(54, 68, 51)  
}
```

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(54, 68, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 68, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 12.767, 138.375 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(54, 68, 51) }
```

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

```
.border{ border-color:rgb(54, 68, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 68, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 68, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 68, 51);  
box-shadow:4px 4px 4px 4px rgb(54, 68, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 12.767, 138.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 68, 51) }
```

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

```
.background{ background-color: rgb(54, 68,  
51) }
```

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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