

Converting Colors

CIELCh(27, 11.192, 93.873)

Have a look what the booklet for
CIELCh(27, 11.192, 93.873) contains.

CIELCh(27, 11.246, 95.343)	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, 11.246, 95.343)

Conversions

Conversions Part 1

Format	Color
Hex	45402F
RGB	69, 64, 47
RGB Percent	27%, 25%, 18%
CMY	0.7305, 0.7501, 0.8167
CMYK	0.00, 0.07, 0.32, 0.73
HSL	46°, 19%, 23%
HSV	46°, 32%, 27%
XYZ	4.7598, 5.0937, 3.3936
YIQ	63.5570, 8.4370, -4.2270

Conversions

Conversions Part 2

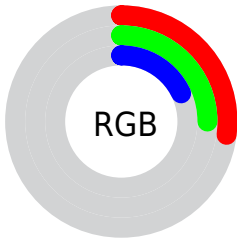
Format	Color
R_{YB}	53, 69, 47
Decimal	4538415
CIE _{Lab}	27.00, -1.05, 11.20
CIE _{LCh}	27, 11.246, 95.343
Yxy	5.0937, 0.3593, 0.3845
Android (android.graphics.Color)	4282728495 (0xFF45402F)
YUV	63.5570, -8.1626, 4.7735
Hunter-Lab	22.5692, -1.8508, 6.8832

Details

The CIELCh color **27, 11.246, 95.343** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 11.542, 282.759**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 11.466, 95.483**, and **7, 10.955, 96.002** is the 20% darker color. If you saturate the color by 10%, you get **26, 14.787, 94.241**, and if you desaturate by 10%, it is **28, 7.705, 96.431**.

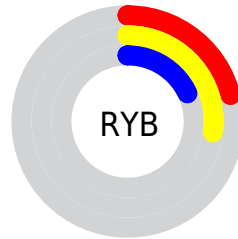
Distribution



Red (27%)

Green (25%)

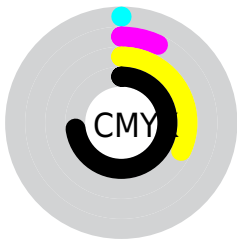
Blue (18%)



Red (21%)

Yellow (27%)

Blue (18%)

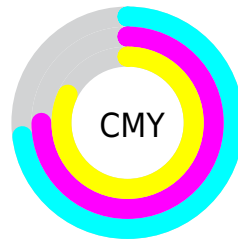


Cyan (0%)

Magenta (7%)

Yellow (32%)

Black (73%)



Cyan (73%)

Magenta (75%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 11.246, 95.343 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, 11.246, 95.343 by changing the saturation by 10% instead.

■ 27, 11.246, 95.343

■ 27, 11.246, 95.343

■ 100, 11.246,
95.343

■ 17, 11.246, 95.343

■ 47, 11.246, 95.343

■ 7, 11.246, 95.343

■ 57, 11.246, 95.343

■ 0, 11.246, 95.343

■ 67, 11.246, 95.343

■ 77, 11.246, 95.343

■ 87, 11.246, 95.343

■ 97, 11.246, 95.343

■ 27, 11.246, 95.343

■ 27, 11.246, 95.343

■ 26, 14.787, 94.241

■ 28, 7.705, 96.431

■ 26, 18.294, 93.113

■ 28, 4.181, 97.482

■ 25, 21.712, 91.967

■ 29, 0.687, 98.412

■ 25, 24.951, 90.800

■ 30, 2.774, 279.553

■ 24, 27.869, 89.599

■ 30, 6.197, 280.495

■ 23, 30.205, 88.389

■ 31, 9.583, 281.410

■ 23, 32.027, 87.533

■ 32, 12.933,
282.289

■ 33, 16.246,
283.128

■ 33, 19.525,
283.929

Harmonies

Complementary

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



27, 11.246, 95.343



22, 11.542, 282.759

Rectangle

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



27, 11.246, 95.343



27, 11.246, 145.343



27, 11.246, 275.343



27, 11.246, 325.343

Sweetspot

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



27, 11.247, 95.348



37, 4.330, 97.644



22, 11.001, 3.865



18, 2.980, 97.576



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, 11.247, 95.348



35, 16.624, 94.514



28, 14.293, 118.810



12, 1.879, 97.840



33, 41.822, 86.700



74, 76.640, 85.231

Inverse Universe

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



22, 11.542, 282.759



27, 17.200, 283.996



21, 15.158, 302.577



12, 1.895, 279.656



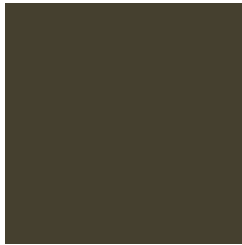
12, 52.621, 299.601



33, 104.225, 301.851

Previews

White Background



This preview shows how the CIELCh color 27, 11.246, 95.343 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 CIELCh color 27, 11.246, 95.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

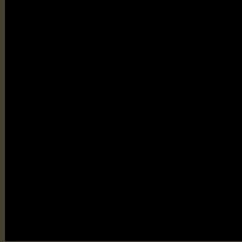
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

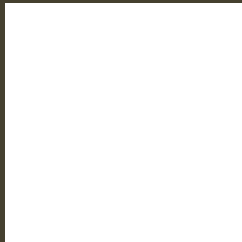
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 11.246, 95.343

Background



This preview shows how black text looks on a background with the CIELCh color 27, 11.246, 95.343.

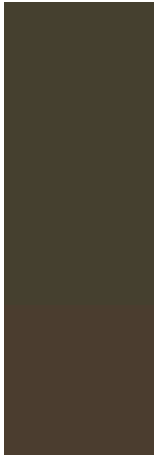


This preview shows how white text looks on a background with the CIELCh color 27, 11.246, 95.343.

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

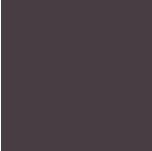
27, 11.246, 95.343

Protanopia

27, 11.246, 95.343

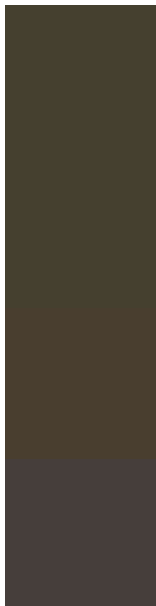
Deuteranopia

27, 11.540, 71.246



Tritanopia
27, 5.562, 344.680

Trichromacy



Original Color
27, 11.246, 95.343

Protanomaly
27, 11.246, 95.343

Deuteranomaly
27, 11.201, 79.095

Tritanomaly
27, 4.205, 47.415

Monochromacy



Original Color
27, 11.246, 95.343

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 4.002, 95.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 11.246, 95.343 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(69, 64, 47)` looks like.

```
.text, #text, p{  
    color:rgb(69, 64, 47)  
}
```

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(69, 64, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 64, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 11.246, 95.343 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(69, 64, 47) }
```

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

```
.border{ border-color:rgb(69, 64, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 64, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 64, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 64, 47);  
box-shadow:4px 4px 4px 4px rgb(69, 64, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 11.246, 95.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 64, 47) }
```

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

```
.background{ background-color: rgb(69, 64,  
47) }
```

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