

Converting Colors

CIELCh(27, 88.174, 102.878)

Have a look what the booklet for
CIELCh(27, 88.174, 102.878)
contains.

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Color

CIELCh(27, 39.363, 116.450)

Conversions

Conversions Part 1

Format	Color
Hex	344600
RGB	52, 70, 0
RGB Percent	20%, 27%, 0%
CMY	0.7965, 0.7259, 1.0000
CMYK	0.26, 0.00, 1.00, 0.73
HSL	75°, 100%, 14%
HSV	75°, 100%, 27%
XYZ	3.5933, 5.0937, 0.7907
YIQ	56.6380, 11.7420, -25.5860

Conversions

Conversions Part 2

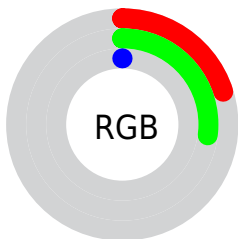
Format	Color
RYB	0, 70, 18
Decimal	3425792
CIELab	27.00, -17.53, 35.24
CIELCh	27, 39.363, 116.450
Yxy	5.0937, 0.3791, 0.5374
Android (android.graphics.Color)	4281615872 (0xFF344600)
YUV	56.6380, -27.9225, -4.0675
Hunter-Lab	22.5692, -11.0764, 13.7213

Details

The CIELCh color **27, 39.363, 116.450** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 49.095, 307.665**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 39.412, 116.435**, and **8, 18.838, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 39.322, 116.471**, and if you desaturate by 10%, it is **27, 36.401, 116.534**.

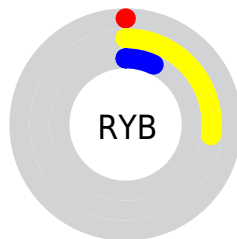
Distribution



Red (20%)

Green (27%)

Blue (0%)



Red (0%)

Yellow (27%)

Blue (7%)

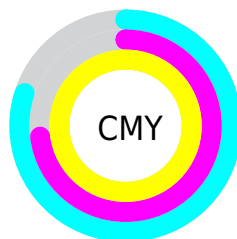


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (73%)



Cyan (80%)

Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 39.363, 116.450 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, 39.363, 116.450 by changing the saturation by 10% instead.

 27, 39.363,
116.450

 27, 39.363,
116.450

 100, 39.363,
116.450

 17, 39.363,
116.450

 47, 39.363,
116.450


 7, 39.363, 116.450

 57, 39.363,
116.450

 0, 39.363, 116.450

 67, 39.363,
116.450

 77, 39.363,
116.450

 87, 39.363,
116.450

 97, 39.363,

116.450

■ 27, 39.363,
116.450

■ 27, 39.363,
116.450

■ 27, 39.322,
116.471

■ 27, 36.401,
116.534

■ 27, 33.551,
116.518

■ 28, 30.197,
116.691

■ 28, 26.403,
117.032

■ 28, 22.307,
117.482

■ 28, 18.011,
117.996

■ 29, 13.589,
118.544

■ 29, 9.090, 119.103

■ 29, 4.551, 119.660

Harmonies

Complementary

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



27, 39.363, 116.450



5, 49.095, 307.665

Rectangle

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



27, 39.363, 116.450



27, 39.363, 166.450



27, 39.363, 296.450



27, 39.363, 346.450

Sweetspot

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



27, 39.322, 116.471



38, 17.029, 118.475



14, 32.192, 41.431



18, 11.437, 118.372



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, 39.322, 116.471



36, 47.632, 116.873



25, 44.927, 132.862



14, 2.581, 119.736



39, 50.401, 117.003



84, 92.528, 117.939

Inverse Universe

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



5, 49.095, 307.665



9, 61.486, 308.419



10, 46.544, 319.871



13, 2.624, 300.678



10, 65.096, 308.325



31, 119.905, 307.711

Previews

White Background



This preview shows how the CIELCh color 27, 39.363, 116.450 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, 39.363, 116.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

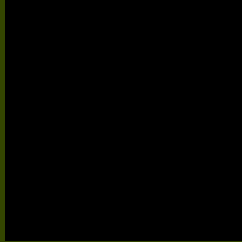
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 39.363, 116.450

Background



This preview shows how black text looks on a background with the CIELCh color 27, 39.363, 116.450.

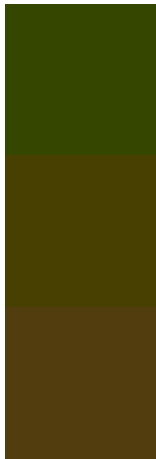


This preview shows how white text looks on a background with the CIELCh color 27, 39.363, 116.450.

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

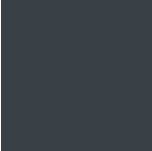
27, 39.363, 116.450

Protanopia

27, 35.982, 96.040

Deuteranopia

27, 31.227, 83.747



Tritanopia
27, 4.343, 247.806

Trichromacy



Original Color
27, 39.363, 116.450

Protanomaly
27, 36.496, 103.781

Deuteranomaly
27, 32.601, 97.866

Tritanomaly
27, 15.077, 127.725

Monochromacy



Original Color
27, 39.363, 116.450

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 17.103, 118.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 39.363, 116.450 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(52, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 70, 0)  
}
```

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(52, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 70, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 39.363, 116.450 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(52, 70, 0) }
```

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

```
.border{ border-color:rgb(52, 70, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 70, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 70, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(52, 70, 0); box-shadow:4px  
4px 4px 4px rgb(52, 70, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 39.363, 116.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 70, 0) }
```

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

```
.background{ background-color: rgb(52, 70,  
0) }
```

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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