

Converting Colors

CIELCh(28, 37.275, 145.643)

Have a look what the booklet for
CIELCh(28, 37.275, 145.643)
contains.

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Color

CIELCh(28, 37.339, 145.754)

Conversions

Conversions Part 1

Format	Color
Hex	0C4D20
RGB	12, 77, 32
RGB Percent	5%, 30%, 13%
CMY	0.9542, 0.6989, 0.8753
CMYK	0.85, 0.00, 0.59, 0.70
HSL	139°, 74%, 17%
HSV	139°, 85%, 30%
XYZ	3.0444, 5.4574, 2.2459
YIQ	52.4350, -24.2950, -27.7750

Conversions

Conversions Part 2

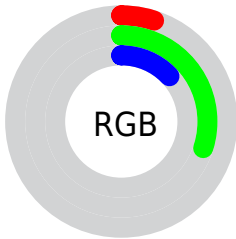
Format	Color
RYB	12, 62, 77
Decimal	806176
CIELab	28.00, -30.87, 21.01
CIELCh	28, 37.339, 145.754
Yxy	5.4574, 0.2833, 0.5078
Android (android.graphics.Color)	4278996256 (0xFF0C4D20)
YUV	52.4350, -10.0745, -35.4615
Hunter-Lab	23.3610, -17.6201, 10.6526

Details

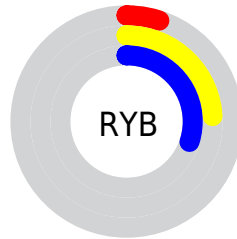
The CIELCh color **28, 37.339, 145.754** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **16, 36.002, 341.667**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 37.636, 145.545**, and **10, 25.067, 143.948** is the 20% darker color. If you saturate the color by 10%, you get **28, 40.510, 144.218**, and if you desaturate by 10%, it is **28, 33.840, 147.316**.

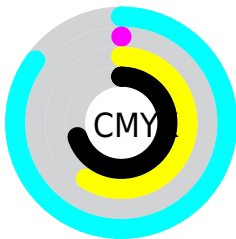
Distribution



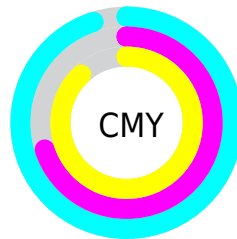
- Red (5%)
- Green (30%)
- Blue (13%)



- Red (5%)
- Yellow (24%)
- Blue (30%)



- Cyan (85%)
- Magenta (0%)
- Yellow (59%)
- Black (70%)





- Cyan (95%)
- Magenta (70%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 37.339, 145.754 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 28, 37.339, 145.754 by changing the saturation by 10% instead.

 28, 37.339,
145.754


 28, 37.339,
145.754

 100, 37.339,
145.754


 18, 37.339,
145.754


 48, 37.339,
145.754


 8, 37.339, 145.754

 58, 37.339,
145.754

 0, 37.339, 145.754

 68, 37.339,
145.754

 78, 37.339,
145.754

 88, 37.339,
145.754

 98, 37.339,

145.754

■ 28, 37.339,
145.754

■ 28, 37.339,
145.754

■ 28, 40.510,
144.218

■ 28, 33.840,
147.316

■ 28, 42.108,
143.562

■ 29, 29.952,
148.728

■ 29, 25.738,
149.986

■ 30, 21.272,
151.099

■ 30, 16.628,
152.080

■ 31, 11.875,
152.946

■ 31, 7.076, 153.717

■ 32, 2.283, 154.441

■ 33, 2.465, 334.896

Harmonies

Complementary

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



28, 37.339, 145.754



16, 36.002, 341.667

Rectangle

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



28, 37.339, 145.754



28, 37.339, 195.754



28, 37.339, 325.754



28, 37.339, 15.754

Sweetspot

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



28, 37.339, 145.754



40, 14.827, 152.855



30, 37.974, 118.452



20, 10.197, 152.695



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28, 37.339, 145.754



36, 51.264, 142.736



29, 23.235, 174.710



15, 2.653, 154.158



37, 52.267, 142.666



80, 97.953, 141.134

Inverse Universe

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



16, 36.002, 341.667



20, 46.523, 344.270



15, 32.220, 18.409



14, 2.666, 335.156



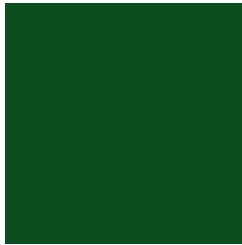
21, 47.330, 344.336



51, 84.519, 345.898

Previews

White Background



This preview shows how the CIELCh color 28, 37.339, 145.754 looks on a white background.

Color Contrast Check

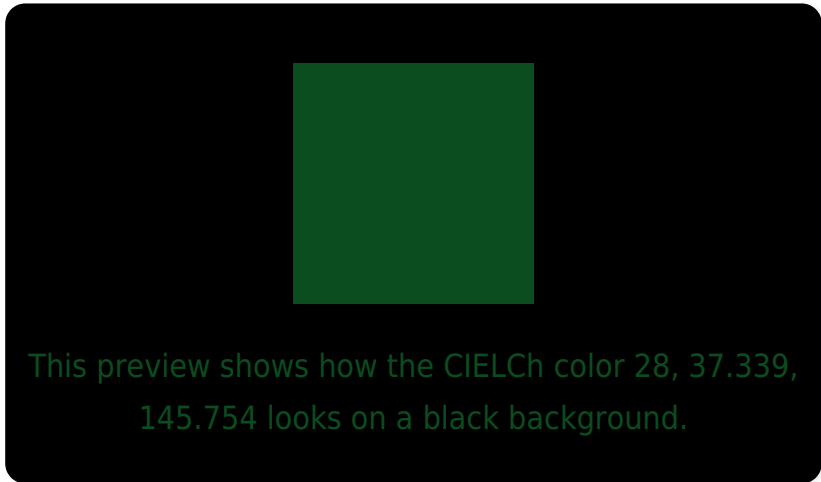
Large Text (above 18pt) WCAG AA ✓ Pass

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

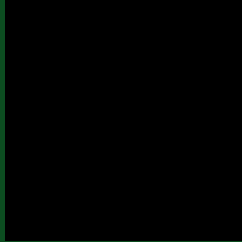
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 37.339, 145.754

Background



This preview shows how black text looks on a background with the CIELCh color 28, 37.339, 145.754.



This preview shows how white text looks on a background with the CIELCh color 28, 37.339, 145.754.

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

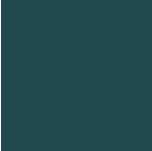
28, 37.339, 145.754

Protanopia

28, 23.567, 95.338

Deuteranopia

28, 19.837, 78.628



Tritanopia
28, 14.409, 213.206

Trichromacy



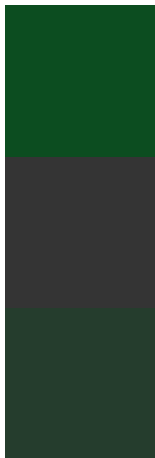
Original Color
28, 37.339, 145.754

Protanomaly
27, 26.555, 125.831

Deuteranomaly
27, 22.208, 121.430

Tritanomaly
28, 20.341, 171.809

Monochromacy



Original Color
28, 37.339, 145.754

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 15.206, 152.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 37.339, 145.754 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(12, 77, 32)` looks like.

```
.text, #text, p{  
    color:rgb(12, 77, 32)  
}
```

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(12, 77, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 77, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 37.339, 145.754 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(12, 77, 32) }
```

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

```
.border{ border-color:rgb(12, 77, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 77, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 77, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 77, 32);  
box-shadow:4px 4px 4px 4px rgb(12, 77, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 37.339, 145.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 77, 32) }
```

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

```
.background{ background-color: rgb(12, 77,  
32) }
```

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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