

Converting Colors

CIELCh(28, 33.141, 139.639)

Have a look what the booklet for
CIELCh(28, 33.141, 139.639)
contains.

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Color

CIELCh(28, 33.276, 139.622)

Conversions

Conversions Part 1

Format	Color
Hex	204B1F
RGB	32, 75, 31
RGB Percent	13%, 29%, 12%
CMY	0.8740, 0.7054, 0.8780
CMYK	0.57, 0.00, 0.59, 0.71
HSL	119°, 41%, 21%
HSV	119°, 59%, 29%
XYZ	3.3728, 5.4574, 2.1797
YIQ	57.1270, -11.5040, -22.8000

Conversions

Conversions Part 2

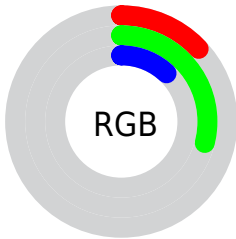
Format	Color
R_{YB}	31, 75, 74
Decimal	2116383
CIE _{Lab}	28.00, -25.35, 21.56
CIE _{LCh}	28, 33.276, 139.622
Yxy	5.4574, 0.3063, 0.4957
Android (android.graphics.Color)	4280306463 (0xFF204B1F)
YUV	57.1270, -12.8806, -22.0364
Hunter-Lab	23.3610, -15.1106, 10.8208

Details

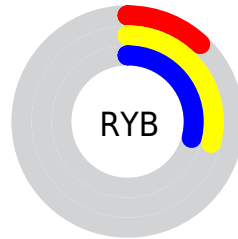
The CIELCh color **28, 33.276, 139.622** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **20, 33.132, 326.453**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 33.124, 139.259**, and **9, 23.127, 144.258** is the 20% darker color. If you saturate the color by 10%, you get **28, 38.086, 138.660**, and if you desaturate by 10%, it is **28, 28.005, 140.547**.

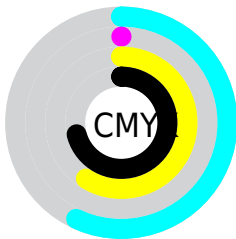
Distribution



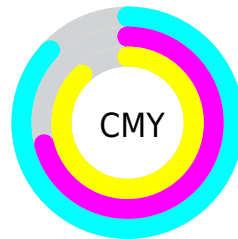
- Red (13%)
- Green (29%)
- Blue (12%)



- Red (12%)
- Yellow (29%)
- Blue (29%)



- Cyan (57%)
- Magenta (0%)
- Yellow (59%)
- Black (71%)





- Cyan (87%)
- Magenta (71%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 33.276, 139.622 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, 33.276, 139.622 by changing the saturation by 10% instead.

 28, 33.276,
139.622


 28, 33.276,
139.622

 100, 33.276,
139.622

 18, 33.276,
139.622


 48, 33.276,
139.622


 8, 33.276, 139.622

 58, 33.276,
139.622

 0, 33.276, 139.622

 68, 33.276,
139.622

 78, 33.276,
139.622

 88, 33.276,
139.622

 98, 33.276,

139.622

■ 28, 33.276,
139.622

■ 28, 33.276,
139.622

■ 28, 38.086,
138.660

■ 28, 28.005,
140.547

■ 27, 42.254,
137.726

■ 29, 22.426,
141.397

■ 27, 45.603,
136.898

■ 30, 16.664,
142.158

■ 27, 48.802,
135.945

■ 30, 10.820,
142.828

■ 27, 49.268,
135.816

■ 31, 4.973, 143.420

■ 32, 0.819, 323.741

■ 33, 6.512, 324.305

■ 34, 12.078,
324.683

■ 35, 17.499,
325.004

Harmonies

Complementary

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



28, 33.276, 139.622



20, 33.132, 326.453

Rectangle

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



28, 33.276, 139.622



28, 33.276, 189.622



28, 33.276, 319.622



28, 33.276, 9.622

Sweetspot

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



28, 33.276, 139.622



39, 12.939, 142.823



31, 26.028, 103.654



19, 8.873, 142.723



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 33.276, 139.622



36, 47.443, 138.280



28, 23.595, 156.333



15, 3.282, 143.414



37, 60.959, 135.824



80, 110.495, 135.943

Inverse Universe

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



20, 33.132, 326.453



24, 46.895, 326.894



19, 24.644, 347.386



14, 3.289, 324.218



22, 59.028, 327.373



54, 106.829, 327.311

Previews

White Background



This preview shows how the CIELCh color 28, 33.276, 139.622 looks on a white background.

Color Contrast Check

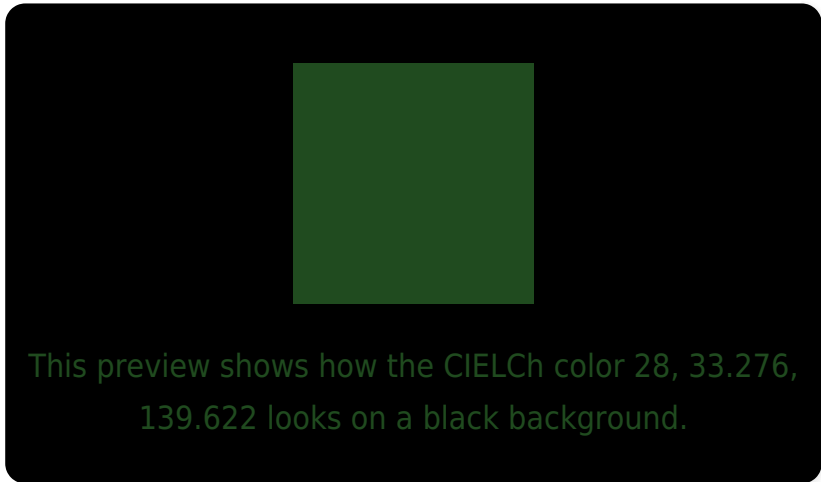
Large Text (above 18pt) WCAG AA ✓ Pass

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

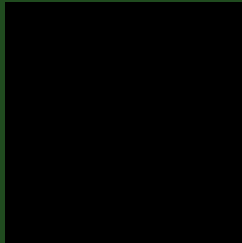
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 33.276, 139.622

Background



This preview shows how black text looks on a background with the CIELCh color 28, 33.276, 139.622.



This preview shows how white text looks on a background with the CIELCh color 28, 33.276, 139.622.

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, 33.276, 139.622

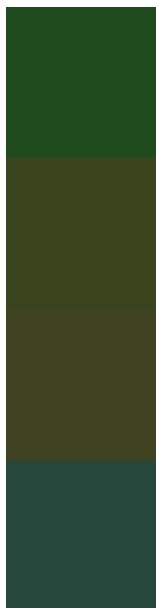
Protanopia
28, 24.034, 96.669

Deuteranopia
28, 20.398, 79.250



Tritanopia
28, 11.143, 218.506

Trichromacy



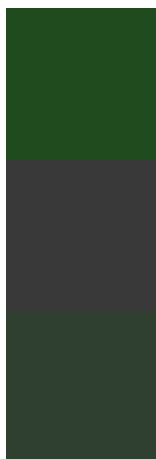
Original Color
28, 33.276, 139.622

Protanomaly
27, 25.403, 117.870

Deuteranomaly
27, 20.878, 111.564

Tritanomaly
28, 16.095, 167.978

Monochromacy



Original Color
28, 33.276, 139.622

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 12.847, 143.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 33.276, 139.622 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(32, 75, 31)` looks like.

```
.text, #text, p{  
    color:rgb(32, 75, 31)  
}
```

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(32, 75, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 75, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 33.276, 139.622 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(32, 75, 31) }
```

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

```
.border{ border-color:rgb(32, 75, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 75, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 75, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 75, 31);  
box-shadow:4px 4px 4px 4px rgb(32, 75, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 33.276, 139.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 75, 31) }
```

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

```
.background{ background-color: rgb(32, 75,  
31) }
```

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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