

Converting Colors

CIELCh(28, 21.738, 168.511)

Have a look what the booklet for
CIELCh(28, 21.738, 168.511)
contains.

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Color

CIELCh(28, 21.527, 169.283)

Conversions

Conversions Part 1

Format	Color
Hex	174A3B
RGB	23, 74, 59
RGB Percent	9%, 29%, 23%
CMY	0.9080, 0.7083, 0.7672
CMYK	0.68, 0.00, 0.20, 0.71
HSL	162°, 52%, 19%
HSV	162°, 68%, 29%
XYZ	3.6379, 5.4574, 5.0502
YIQ	57.0410, -25.5810, -15.4770

Conversions

Conversions Part 2

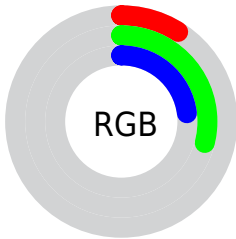
Format	Color
R_{YB}	23, 53, 74
Decimal	1526331
CIE Lab	28.00, -21.15, 4.00
CIE LCh	28, 21.527, 169.283
Yxy	5.4574, 0.2572, 0.3858
Android (android.graphics.Color)	4279716411 (0xFF174A3B)
YUV	57.0410, 0.9658, -29.8540
Hunter-Lab	23.3610, -13.0845, 3.5353

Details

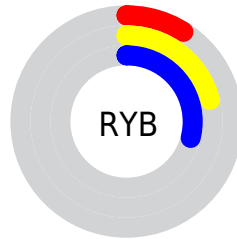
The CIELCh color **28, 21.527, 169.283** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 25.853, 5.789**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 21.490, 169.234**, and **9, 16.347, 159.078** is the 20% darker color. If you saturate the color by 10%, you get **28, 23.765, 167.846**, and if you desaturate by 10%, it is **28, 18.979, 170.583**.

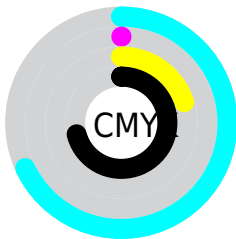
Distribution



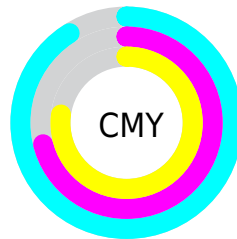
- Red (9%)
- Green (29%)
- Blue (23%)



- Red (9%)
- Yellow (21%)
- Blue (29%)



- Cyan (68%)
- Magenta (0%)
- Yellow (20%)
- Black (71%)



- Cyan (91%)
- Magenta (71%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 21.527, 169.283 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, 21.527, 169.283 by changing the saturation by 10% instead.

 28, 21.527,
169.283


 28, 21.527,
169.283

 100, 21.527,
169.283

 18, 21.527,
169.283


 48, 21.527,
169.283


 8, 21.527, 169.283

 58, 21.527,
169.283

 0, 21.527, 169.283

 68, 21.527,
169.283

 78, 21.527,
169.283

 88, 21.527,
169.283

 98, 21.527,

169.283

■ 28, 21.527,
169.283

■ 28, 21.527,
169.283

■ 28, 23.765,
167.846

■ 28, 18.979,
170.583

■ 28, 25.680,
166.267

■ 29, 16.154,
171.766

■ 27, 27.525,
164.797

■ 29, 13.096,
172.850

■ 27, 27.810,
164.593

■ 30, 9.851, 173.853

■ 30, 6.468, 174.791

■ 31, 2.991, 175.700

■ 32, 0.542, 356.001

■ 33, 4.096, 357.154

■ 33, 7.644, 357.917

Harmonies

Complementary

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



28, 21.527, 169.283



17, 25.853, 5.789

Rectangle

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



28, 21.527, 169.283



28, 21.527, 219.283



28, 21.527, 349.283



28, 21.527, 39.283

Sweetspot

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



28, 21.527, 169.282



39, 9.117, 174.485



28, 35.035, 132.634



19, 6.079, 174.370



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, 21.527, 169.282



36, 30.059, 166.808



25, 14.825, 224.726



15, 2.014, 175.680



38, 35.094, 163.578



81, 65.143, 161.939

Inverse Universe

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



17, 25.853, 5.789



20, 37.086, 10.654



19, 24.110, 40.617



14, 2.061, 356.978



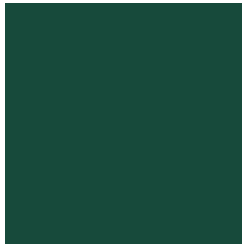
20, 44.108, 18.073



48, 81.578, 22.453

Previews

White Background



This preview shows how the CIELCh color 28, 21.527, 169.283 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 28, 21.527, 169.283 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 28, 21.527, 169.283

Background



This preview shows how black text looks on a background with the CIELCh color 28, 21.527, 169.283.

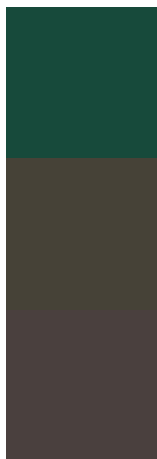


This preview shows how white text looks on a background with the CIELCh color 28, 21.527, 169.283.

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, 21.527, 169.283

Protanopia
28, 7.330, 93.779

Deuteranopia
28, 4.802, 35.622



Tritanopia
28, 14.649, 212.909

Trichromacy



Original Color
28, 21.527, 169.283

Protanomaly
28, 10.619, 150.850

Deuteranomaly
28, 7.039, 158.186

Tritanomaly
28, 16.240, 192.323

Monochromacy



Original Color
28, 21.527, 169.283

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 8.515, 175.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 21.527, 169.283 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(23, 74, 59)` looks like.

```
.text, #text, p{  
    color:rgb(23, 74, 59)  
}
```

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(23, 74, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 74, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 21.527, 169.283 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(23, 74, 59) }
```

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

```
.border{ border-color:rgb(23, 74, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 74, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 74, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 74, 59);  
box-shadow:4px 4px 4px 4px rgb(23, 74, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 21.527, 169.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 74, 59) }
```

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

```
.background{ background-color: rgb(23, 74,  
59) }
```

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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