

Converting Colors

CIELCh(28, 19.798, 143.623)

Have a look what the booklet for
CIELCh(28, 19.798, 143.623)
contains.

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Color

CIELCh(28, 19.391, 144.232)

Conversions

Conversions Part 1

Format	Color
Hex	2E4830
RGB	46, 72, 48
RGB Percent	18%, 28%, 19%
CMY	0.8189, 0.7169, 0.8111
CMYK	0.36, 0.00, 0.33, 0.72
HSL	125°, 22%, 23%
HSV	125°, 36%, 28%
XYZ	4.0003, 5.4574, 3.6569
YIQ	61.4900, -7.7920, -12.9760

Conversions

Conversions Part 2

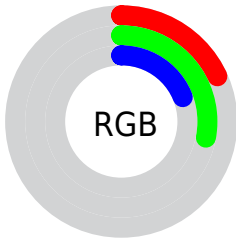
Format	Color
R_{YB}	46, 70, 72
Decimal	3033136
CIE _{Lab}	28.00, -15.73, 11.33
CIE _{LCh}	28, 19.391, 144.232
Yxy	5.4574, 0.3050, 0.4161
Android (android.graphics.Color)	4281223216 (0xFF2E4830)
YUV	61.4900, -6.6506, -13.5847
Hunter-Lab	23.3610, -10.3161, 7.0715

Details

The CIELCh color **28, 19.391, 144.232** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **23, 19.395, 328.413**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 19.663, 143.953**, and **8, 19.439, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 24.619, 143.347**, and if you desaturate by 10%, it is **29, 14.032, 145.011**.

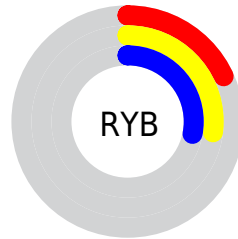
Distribution



Red (18%)

Green (28%)

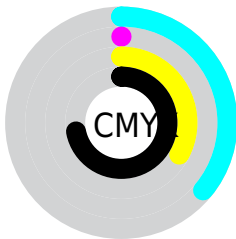
Blue (19%)



Red (18%)

Yellow (27%)

Blue (28%)

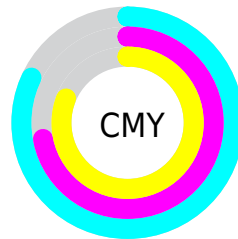


Cyan (36%)

Magenta (0%)

Yellow (33%)

Black (72%)



Cyan (82%)

Magenta (72%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 19.391, 144.232 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, 19.391, 144.232 by changing the saturation by 10% instead.

■ 28, 19.391,
144.232

■ 28, 19.391,
144.232

■ 100, 19.391,
144.232

■ 18, 19.391,
144.232

■ 48, 19.391,
144.232

■ 8, 19.391, 144.232

■ 58, 19.391,
144.232

■ 0, 19.391, 144.232

■ 68, 19.391,
144.232

■ 78, 19.391,
144.232

■ 88, 19.391,
144.232

■ 98, 19.391,

144.232

■ 28, 19.391,
144.232

■ 28, 19.391,
144.232

■ 27, 24.619,
143.347

■ 29, 14.032,
145.011

■ 27, 29.616,
142.355

■ 29, 8.621, 145.693

■ 27, 34.266,
141.266

■ 30, 3.224, 146.305

■ 31, 2.110, 326.708

■ 26, 38.442,
140.112

■ 32, 7.346, 327.194

■ 26, 42.004,
138.949

■ 33, 12.459,
327.584

■ 26, 45.004,
138.077

■ 34, 17.435,
327.920

■ 26, 46.193,
137.769

■ 35, 22.264,
328.214

■ 36, 26.944,
328.471

Harmonies

Complementary

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



28, 19.391, 144.232



23, 19.395, 328.413

Rectangle

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



28, 19.391, 144.232



28, 19.391, 194.232



28, 19.391, 324.232



28, 19.391, 14.232

Sweetspot

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



28, 19.392, 144.232



39, 7.369, 145.979



30, 16.387, 110.024



19, 4.994, 145.942



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, 19.392, 144.232



36, 28.748, 143.471



28, 13.344, 164.274



14, 2.957, 146.151



36, 58.240, 137.275



79, 108.290, 136.540

Inverse Universe

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



23, 19.395, 328.413



29, 28.700, 328.850



22, 14.093, 350.679



13, 2.963, 326.984



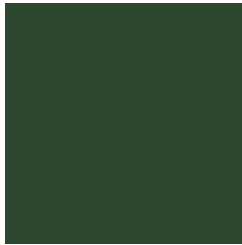
22, 54.735, 331.339



53, 99.559, 331.591

Previews

White Background



This preview shows how the CIELCh color 28, 19.391, 144.232 looks on a white background.

Color Contrast Check

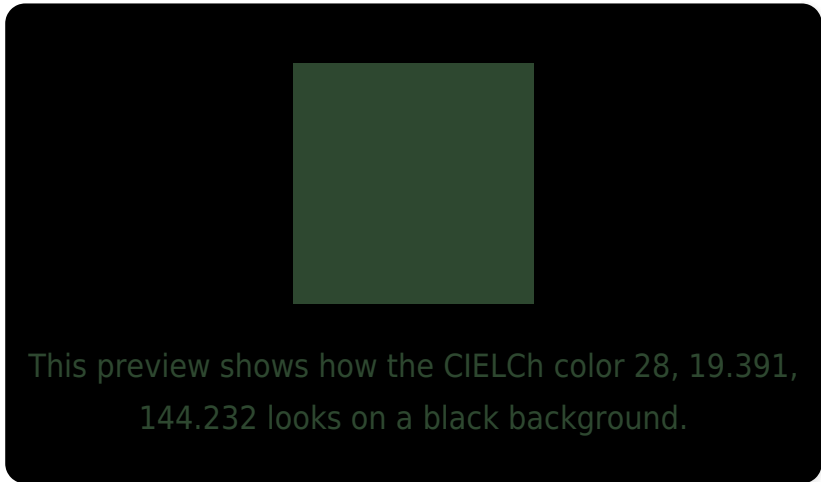
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.391, 144.232

Background



This preview shows how black text looks on a background with the CIELCh color 28, 19.391, 144.232.



This preview shows how white text looks on a background with the CIELCh color 28, 19.391, 144.232.

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](#).

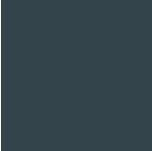
Dichromacy



Original Color
28, 19.391, 144.232

Protanopia
28, 13.681, 97.068

Deuteranopia
28, 10.940, 69.549



Tritanopia
28, 7.819, 223.015

Trichromacy



Original Color
28, 19.391, 144.232

Protanomaly
28, 14.341, 119.040

Deuteranomaly
28, 10.920, 107.989

Tritanomaly
28, 9.489, 177.866

Monochromacy



Original Color
28, 19.391, 144.232

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 7.435, 146.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 19.391, 144.232 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(46, 72, 48)` looks like.

```
.text, #text, p{  
    color:rgb(46, 72, 48)  
}
```

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(46, 72, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 72, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 19.391, 144.232 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(46, 72, 48) }
```

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

```
.border{ border-color:rgb(46, 72, 48) }
```

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

Here you see how a box with a 4 pixel rgb(46, 72, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 72, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 72, 48);  
box-shadow:4px 4px 4px 4px rgb(46, 72, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 19.391, 144.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 72, 48) }
```

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

```
.background{ background-color: rgb(46, 72,  
48) }
```

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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