

Converting Colors

CIELCh(28, 19.682, 101.771)

Have a look what the booklet for
CIELCh(28, 19.682, 101.771)
contains.

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Color

CIELCh(28, 19.644, 101.824)

Conversions

Conversions Part 1

Format	Color
Hex	464324
RGB	70, 67, 36
RGB Percent	27%, 26%, 14%
CMY	0.7252, 0.7369, 0.8585
CMYK	0.00, 0.04, 0.49, 0.73
HSL	55°, 32%, 21%
HSV	55°, 49%, 27%
XYZ	4.8638, 5.4574, 2.4724
YIQ	64.3630, 11.7390, -9.0050

Conversions

Conversions Part 2

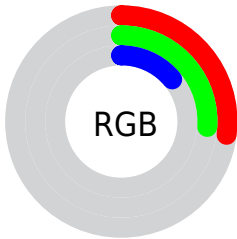
Format	Color
RYB	39, 70, 36
Decimal	4604708
CIELab	28.00, -4.03, 19.23
CIElCh	28, 19.644, 101.824
Yxy	5.4574, 0.3802, 0.4266
Android (android.graphics.Color)	4282794788 (0xFF464324)
YUV	64.3630, -13.9830, 4.9436
Hunter-Lab	23.3610, -3.7181, 10.0778

Details

The CIELCh color **28, 19.644, 101.824** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17, 21.566, 292.662**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 19.869, 102.295**, and **8, 12.168, 105.026** is the 20% darker color. If you saturate the color by 10%, you get **28, 23.442, 100.906**, and if you desaturate by 10%, it is **28, 15.697, 102.767**.

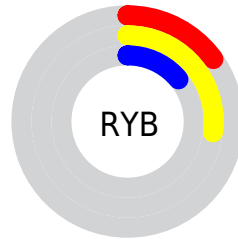
Distribution



Red (27%)

Green (26%)

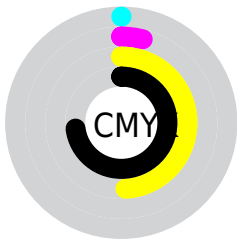
Blue (14%)



Red (15%)

Yellow (27%)

Blue (14%)

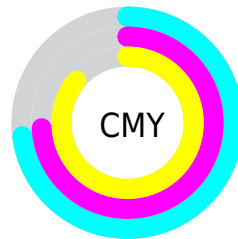


Cyan (0%)

Magenta (4%)

Yellow (49%)

Black (73%)



Cyan (73%)


Magenta (74%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 19.644, 101.824 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, 19.644, 101.824 by changing the saturation by 10% instead.

 28, 19.644,
101.824


 28, 19.644,
101.824

 100, 19.644,
101.824


 18, 19.644,
101.824


 48, 19.644,
101.824


 8, 19.644, 101.824

 58, 19.644,
101.824

 0, 19.644, 101.824

 68, 19.644,
101.824

 78, 19.644,
101.824

 88, 19.644,
101.824

 98, 19.644,

101.824

■ 28, 19.644,
101.824

■ 28, 19.644,
101.824

■ 28, 23.442,
100.906

■ 28, 15.697,
102.767

■ 27, 26.993,
100.018

■ 29, 11.663,
103.713

■ 27, 30.162, 99.179

■ 29, 7.585, 104.654

■ 27, 32.814, 98.400

■ 29, 3.488, 105.577

■ 27, 35.421, 97.697

■ 30, 0.610, 286.579

■ 27, 35.807, 97.602

■ 30, 4.698, 287.397

■ 31, 8.770, 288.249

■ 31, 12.819,
289.072

■ 32, 16.843,
289.861

Harmonies

Complementary

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



28, 19.644, 101.824



17, 21.566, 292.662

Rectangle

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



28, 19.644, 101.824



28, 19.644, 151.824



28, 19.644, 281.824



28, 19.644, 331.824

Sweetspot

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



28, 19.645, 101.827



38, 7.685, 104.924



19, 17.273, 16.380



18, 5.167, 104.838



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 19.645, 101.827



36, 28.990, 100.738



28, 22.362, 123.333



14, 2.316, 105.568



38, 45.779, 97.237



82, 83.279, 96.782

Inverse Universe

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



17, 21.566, 292.662



20, 32.938, 294.920



17, 24.179, 308.085



13, 2.352, 287.207



10, 62.122, 304.129



30, 118.433, 305.346

Previews

White Background



This preview shows how the CIELCh color 28, 19.644, 101.824 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, 19.644, 101.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

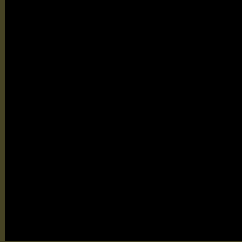
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 19.644, 101.824

Background



This preview shows how black text looks on a background with the CIELCh color 28, 19.644, 101.824.

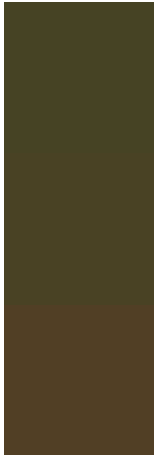


This preview shows how white text looks on a background with the CIELCh color 28, 19.644, 101.824.

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, 19.644, 101.824

Protanopia

28, 19.379, 95.719

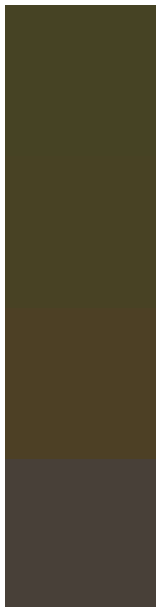
Deuteranopia

28, 19.277, 77.960



Tritanopia
28, 5.534, 344.653

Trichromacy



Original Color
28, 19.644, 101.824

Protanomaly
28, 19.282, 97.216

Deuteranomaly
28, 18.606, 85.627

Tritanomaly
28, 6.427, 72.958

Monochromacy



Original Color
28, 19.644, 101.824

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 7.117, 104.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 19.644, 101.824 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(70, 67, 36)` looks like.

```
.text, #text, p{  
    color:rgb(70, 67, 36)  
}
```

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(70, 67, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 67, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 19.644, 101.824 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(70, 67, 36) }
```

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

```
.border{ border-color:rgb(70, 67, 36) }
```

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

Here you see how a box with a 4 pixel rgb(70, 67, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 67, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 67, 36);  
box-shadow:4px 4px 4px 4px rgb(70, 67, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 19.644, 101.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 67, 36) }
```

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

```
.background{ background-color: rgb(70, 67,  
36) }
```

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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