

Converting Colors

CIELCh(28, 6.662, 0.418)

Have a look what the booklet for
CIELCh(28, 6.662, 0.418) contains.

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Color

CIELCh(28, 6.216, 2.423)

Conversions

Conversions Part 1

Format	Color
Hex	4C3F42
RGB	76, 63, 66
RGB Percent	30%, 25%, 26%
CMY	0.7026, 0.7536, 0.7418
CMYK	0.00, 0.17, 0.13, 0.70
HSL	346°, 9%, 27%
HSV	346°, 17%, 30%
XYZ	5.7135, 5.4574, 5.8806
YIQ	67.2290, 6.7850, 3.6890

Conversions

Conversions Part 2

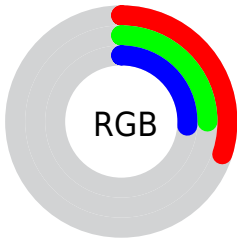
Format	Color
RYB	76, 63, 66
Decimal	4996930
CIELab	28.00, 6.21, 0.26
CIELCh	28, 6.216, 2.423
Yxy	5.4574, 0.3351, 0.3201
Android (android.graphics.Color)	4283187010 (0xFF4C3F42)
YUV	67.2290, -0.6059, 7.6922
Hunter-Lab	23.3610, 2.7747, 1.4278

Details

The CIELCh color **28, 6.216, 2.423** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 5.878, 179.560**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 6.031, 3.131**, and **8, 6.075, 7.287** is the 20% darker color. If you saturate the color by 10%, you get **26, 10.042, 3.528**, and if you desaturate by 10%, it is **30, 2.532, 1.436**.

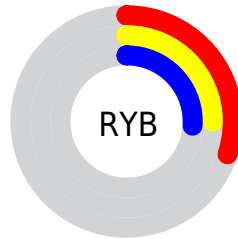
Distribution



 Red (30%)

 Green (25%)

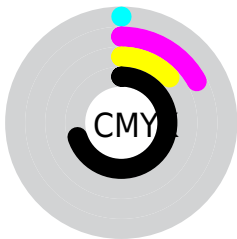
 Blue (26%)



 Red (30%)

 Yellow (25%)

 Blue (26%)

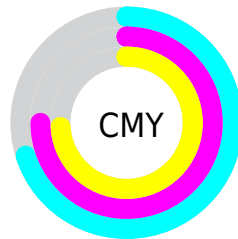


 Cyan (0%)

 Magenta (17%)

 Yellow (13%)

 Black (70%)



 Cyan (70%)

 Magenta (75%)

 Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 6.216, 2.423 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, 6.216, 2.423 by changing the saturation by 10% instead.

■ 28, 6.216, 2.423

■ 28, 6.216, 2.423

■ 100, 6.216, 2.423

■ 18, 6.216, 2.423

■ 48, 6.216, 2.423

■ 8, 6.216, 2.423

■ 58, 6.216, 2.423

■ 0, 6.216, 2.423

■ 68, 6.216, 2.423

■ 78, 6.216, 2.423

■ 88, 6.216, 2.423

■ 98, 6.216, 2.423

■ 28, 6.216, 2.423

■ 28, 6.216, 2.423

■ 26, 10.042, 3.528

■ 30, 2.532, 1.436

■ 23, 13.979, 4.810

■ 33, 0.991, 180.969

■ 21, 17.967, 6.337

■ 35, 4.351, 180.050

■ 19, 21.918, 8.190

■ 38, 7.552, 179.379

■ 17, 25.712, 10.466

■ 41, 10.603,
178.785

■ 16, 29.217, 13.283

■ 43, 13.514,
178.250

■ 14, 32.315, 16.753

■ 13, 35.386, 19.830

■ 46, 16.298,
177.761

■ 13, 36.289, 20.330

■ 48, 18.966,
177.313

■ 51, 21.528,
176.900

Harmonies

Complementary

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



28, 6.216, 2.423



31, 5.878, 179.560

Rectangle

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



28, 6.216, 2.423



28, 6.216, 52.423



28, 6.216, 182.423



28, 6.216, 232.423

Sweetspot

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



28, 6.215, 2.429



41, 2.212, 1.231



28, 9.484, 318.463



20, 1.523, 1.273



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, 6.215, 2.429



36, 9.627, 2.924



29, 4.938, 46.654



14, 2.002, 1.589



20, 45.383, 23.562



48, 84.717, 27.914

Inverse Universe

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



28, 6.215, 2.429



36, 9.627, 2.924



30, 4.505, 228.517



14, 2.002, 1.589



20, 45.383, 23.562



48, 84.717, 27.914

Previews

White Background



This preview shows how the CIELCh color 28, 6.216, 2.423 looks on a white background.

Color Contrast Check

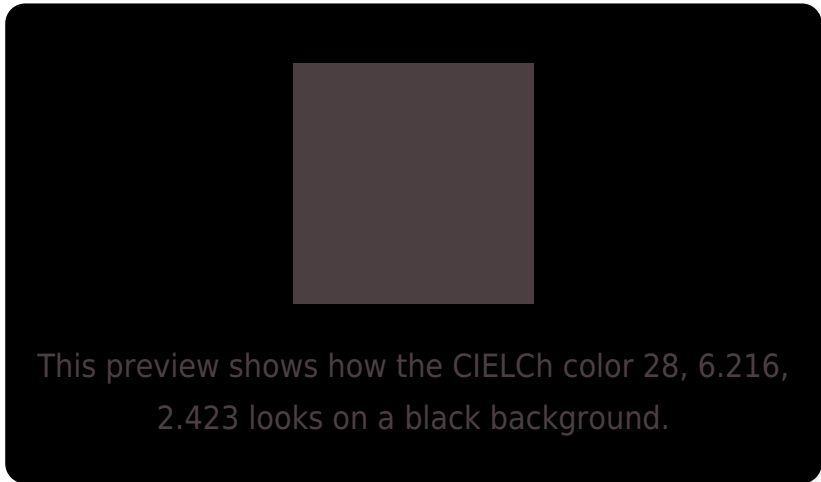
Large Text (above 18pt) WCAG AA ✓ Pass

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

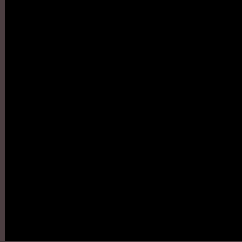
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 6.216, 2.423

Background



This preview shows how black text looks on a background with the CIELCh color 28, 6.216, 2.423.

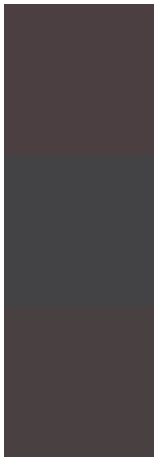


This preview shows how white text looks on a background with the CIELCh color 28, 6.216, 2.423.

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, 6.216, 2.423

Protanopia

28, 1.376, 309.141

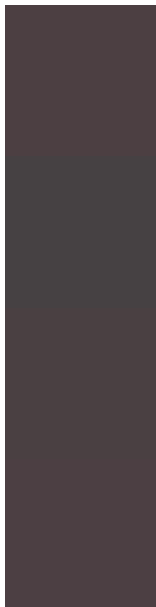
Deuteranopia

28, 4.274, 2.570



Tritanopia
28, 6.421, 356.915

Trichromacy



Original Color

28, 6.216, 2.423

Protanomaly

28, 2.593, 349.901

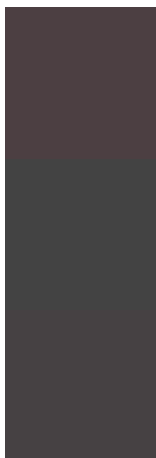
Deuteranomaly

28, 4.713, 4.356

Tritanomaly

28, 6.421, 356.915

Monochromacy



Original Color

28, 6.216, 2.423

Achromatopsia

28, 0.004, 296.813

Achromatomaly

28, 2.593, 349.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 6.216, 2.423 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(76, 63, 66)` looks like.

```
.text, #text, p{  
    color:rgb(76, 63, 66)  
}
```

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(76, 63, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 63, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 6.216, 2.423 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(76, 63, 66) }
```

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

```
.border{ border-color:rgb(76, 63, 66) }
```

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

Here you see how a box with a 4 pixel rgb(76, 63, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 63, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 63, 66);  
box-shadow:4px 4px 4px 4px rgb(76, 63, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 6.216, 2.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 63, 66) }
```

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

```
.background{ background-color: rgb(76, 63,  
66) }
```

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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