

Converting Colors

CIELCh(29, 5.773, 44.249)

Have a look what the booklet for
CIELCh(29, 5.773, 44.249) contains.

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Color

CIELCh(29, 5.735, 46.570)

Conversions

Conversions Part 1

Format	Color
Hex	4D423E
RGB	77, 66, 62
RGB Percent	30%, 26%, 24%
CMY	0.6977, 0.7408, 0.7565
CMYK	0.00, 0.14, 0.19, 0.70
HSL	16°, 11%, 27%
HSV	16°, 19%, 30%
XYZ	5.8941, 5.8380, 5.3869
YIQ	68.8330, 7.8400, 1.0880

Conversions

Conversions Part 2

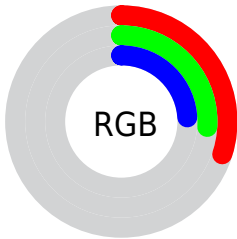
Format	Color
RYB	77, 67, 62
Decimal	5063230
CIELab	29.00, 3.94, 4.16
CIElCh	29, 5.735, 46.570
Yxy	5.8380, 0.3443, 0.3410
Android (android.graphics.Color)	4283253310 (0xFF4D423E)
YUV	68.8330, -3.3687, 7.1625
Hunter-Lab	24.1619, 1.2604, 3.6947




Details

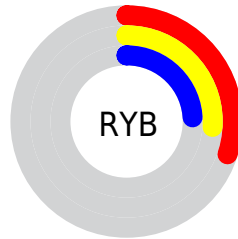
The CIELCh color $[29, 5.735, 46.570]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[30, 5.159, 228.701]$, and the grayscale version is $[29, 0.005, 296.813]$.




A 20% lighter version of the original color is $[49, 5.813, 49.972]$, and $[9, 5.941, 41.265]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 9.000, 46.267]$, and if you desaturate by 10%, it is $[31, 2.691, 46.934]$.

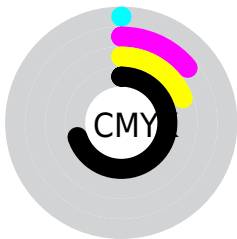
Distribution







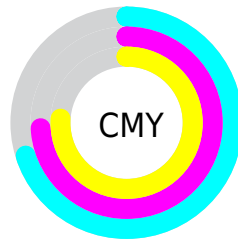
-  Red (30%)
-  Green (26%)
-  Blue (24%)






-  Red (30%)
-  Yellow (26%)
-  Blue (24%)



-  Cyan (0%)
-  Magenta (14%)
-  Yellow (19%)
-  Black (70%)



-  Cyan (70%)
-  Magenta (74%)
-  Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 5.735, 46.570 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 29, 5.735, 46.570 by changing the saturation by 10% instead.

■ 29, 5.735, 46.570 ■ 29, 5.735, 46.570

■ 100, 5.735, 46.570 ■ 19, 5.735, 46.570

■ 49, 5.735, 46.570 ■ 9, 5.735, 46.570

■ 59, 5.735, 46.570 ■ 0, 5.735, 46.570

■ 69, 5.735, 46.570

■ 79, 5.735, 46.570

■ 89, 5.735, 46.570

■ 99, 5.735, 46.570

■ 29, 5.735, 46.570 ■ 29, 5.735, 46.570

■ 27, 9.000, 46.267 ■ 31, 2.691, 46.934

■ 25, 12.503, 46.033

■ 33, 0.150, 229.246

■ 23, 16.251, 45.906

■ 35, 2.806, 228.079

■ 22, 20.238, 45.901

■ 37, 5.297, 228.558

■ 20, 24.435, 46.021

■ 39, 7.641, 229.083

■ 19, 28.668, 46.038

■ 41, 9.854, 229.624

■ 17, 32.080, 44.720

■ 43, 11.952,
230.170

■ 16, 35.140, 43.582

■ 45, 13.947,
230.715

■ 16, 35.301, 43.542

■ 47, 15.852,
231.254

Harmonies

Complementary

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



29, 5.735, 46.570



30, 5.159, 228.701

Rectangle

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



29, 5.735, 46.570



29, 5.735, 96.570



29, 5.735, 226.570



29, 5.735, 276.570

Sweetspot

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



29, 5.735, 46.582



41, 2.082, 47.024



28, 9.707, 334.139



20, 1.394, 47.019



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 5.735, 46.582



37, 8.499, 46.437



31, 7.451, 96.248



14, 1.572, 46.960



22, 46.202, 45.590



52, 89.288, 45.509

Inverse Universe

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



30, 5.159, 228.701



38, 7.447, 229.046



28, 7.559, 280.631



15, 1.505, 228.029



29, 23.407, 246.726



65, 43.315, 250.414

Previews

White Background



This preview shows how the CIELCh color 29, 5.735, 46.570 looks on a white background.

Color Contrast Check

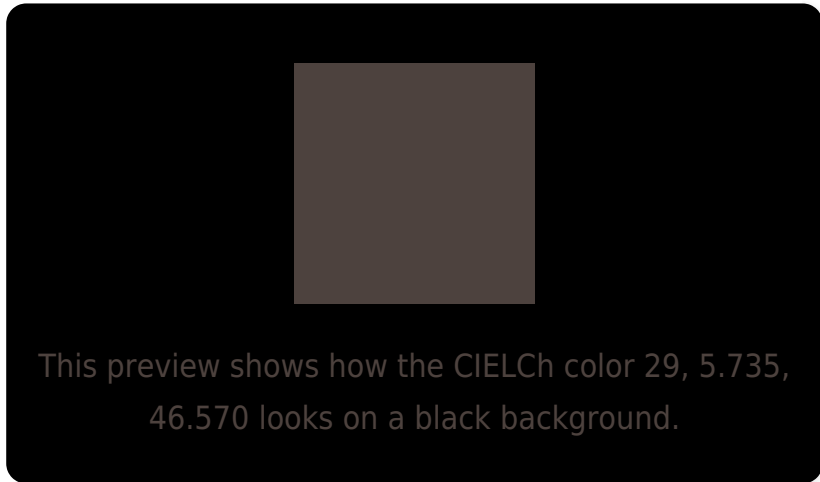
Large Text (above 18pt) WCAG AA ✓ Pass

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

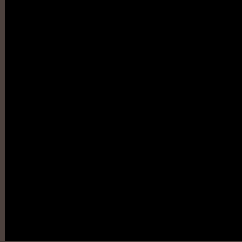
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 5.735, 46.570

Background



This preview shows how black text looks on a background with the CIELCh color 29, 5.735, 46.570.

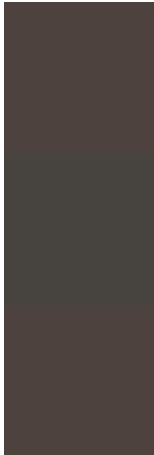


This preview shows how white text looks on a background with the CIELCh color 29, 5.735, 46.570.

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

29, 5.735, 46.570

Protanopia

29, 3.481, 86.348

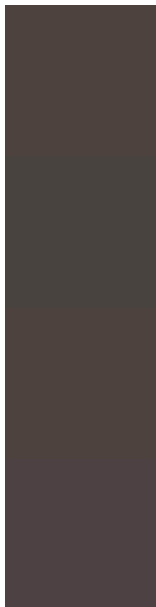
Deuteranopia

29, 5.735, 46.570



Tritanopia
29, 6.651, 351.767

Trichromacy



Original Color
29, 5.735, 46.570

Protanomaly
29, 3.762, 62.597

Deuteranomaly
29, 5.735, 46.570

Tritanomaly
29, 6.042, 8.216

Monochromacy



Original Color
29, 5.735, 46.570

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 2.207, 55.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 5.735, 46.570 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(77, 66, 62)` looks like.

```
.text, #text, p{  
    color:rgb(77, 66, 62)  
}
```

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(77, 66, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 66, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 5.735, 46.570 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(77, 66, 62) }
```

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

```
.border{ border-color:rgb(77, 66, 62) }
```

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

Here you see how a box with a 4 pixel rgb(77, 66, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 66, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 66, 62);  
box-shadow:4px 4px 4px 4px rgb(77, 66, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 5.735, 46.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 66, 62) }
```

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

```
.background{ background-color: rgb(77, 66,  
62) }
```

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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