

Converting Colors

CIELCh(36, 29.825, 5.023)

Have a look what the booklet for
CIELCh(36, 29.825, 5.023) contains.

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Color

CIELCh(36, 29.603, 4.763)

Conversions

Conversions Part 1

Format	Color
Hex	814152
RGB	129, 65, 82
RGB Percent	51%, 25%, 32%
CMY	0.4951, 0.7460, 0.6793
CMYK	0.00, 0.50, 0.36, 0.50
HSL	344°, 33%, 38%
HSV	344°, 50%, 50%
XYZ	12.4072, 9.0082, 9.0235
YIQ	86.0740, 32.6870, 18.8550

Conversions

Conversions Part 2

Format	Color
R_{YB}	129, 65, 82
Decimal	8470866
CIE Lab	36.00, 29.50, 2.46
CIE LCh	36, 29.603, 4.763
Yxy	9.0082, 0.4076, 0.2959
Android (android.graphics.Color)	4286660946 (0xFF814152)
YUV	86.0740, -2.0085, 37.6461
Hunter-Lab	30.0136, 21.2658, 3.1841

Details

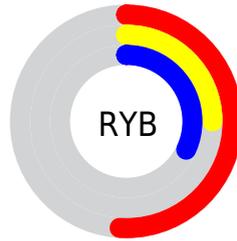
The CIELCh color **36, 29.603, 4.763** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **49, 25.127, 173.347**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 29.426, 5.323**, and **16, 29.807, 4.068** is the 20% darker color. If you saturate the color by 10%, you get **33, 35.496, 6.958**, and if you desaturate by 10%, it is **39, 23.479, 2.989**.

Distribution



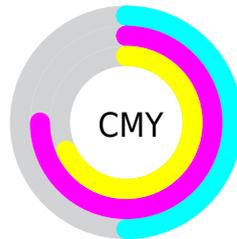
- Red (51%)
- Green (25%)
- Blue (32%)



- Red (51%)
- Yellow (25%)
- Blue (32%)



- Cyan (0%)
- Magenta (50%)
- Yellow (36%)
- Black (50%)



- Cyan (50%)
- Magenta (75%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 29.603, 4.763 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 36, 29.603, 4.763 by changing the saturation by 10% instead.

 36, 29.603, 4.763  36, 29.603, 4.763

 100, 29.603, 4.763  26, 29.603, 4.763

 56, 29.603, 4.763  16, 29.603, 4.763

 66, 29.603, 4.763  6, 29.603, 4.763

 76, 29.603, 4.763  0, 29.603, 4.763

 86, 29.603, 4.763

 96, 29.603, 4.763

 36, 29.603, 4.763  36, 29.603, 4.763

 33, 35.496, 6.958  39, 23.479, 2.989

 31, 40.923, 9.701  43, 17.328, 1.522

■ 29, 45.649, 13.145

■ 46, 11.286, 0.283

■ 27, 49.543, 17.407

■ 50, 5.439, 359.200

■ 26, 53.029, 22.083

■ 54, 0.169, 180.448

■ 26, 53.147, 22.220

■ 58, 5.522, 177.613

■ 62, 10.622,
176.866

■ 66, 15.479,
176.211

■ 70, 20.111,
175.622

Harmonies

Complementary

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



36, 29.603, 4.763



49, 25.127, 173.347

Rectangle

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



36, 29.603, 4.763



36, 29.603, 54.763



36, 29.603, 184.763



36, 29.603, 234.763

Sweetspot

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



36, 29.601, 4.765



62, 10.612, 359.800



36, 42.539, 318.777



31, 7.232, 359.993



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



36, 29.601, 4.765



43, 44.358, 7.389



39, 25.639, 42.750



25, 3.136, 359.137



26, 52.756, 22.159



0, 0.000, 0.000

Inverse Universe

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



36, 29.601, 4.765



43, 44.358, 7.389



45, 18.124, 227.557



25, 3.136, 359.137



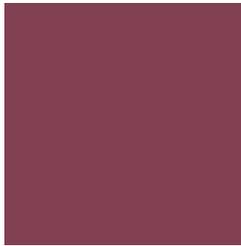
26, 52.756, 22.159



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 36, 29.603, 4.763 looks on a white background.

Color Contrast Check

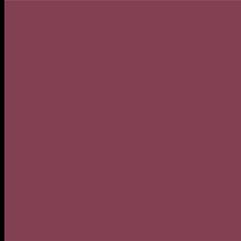
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 36, 29.603, 4.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

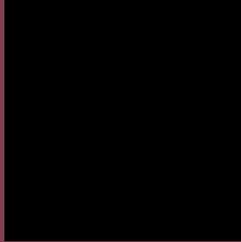
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 29.603, 4.763

Background



This preview shows how black text looks on a background with the CIELCh color 36, 29.603, 4.763.



This preview shows how white text looks on a background with the CIELCh color 36, 29.603, 4.763.

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

36, 29.603, 4.763

Protanopia

36, 4.974, 286.269

Deuteranopia

36, 6.517, 36.668



Tritanopia
36, 28.220, 19.493

Trichromacy



Original Color
36, 29.603, 4.763

Protanomaly
36, 11.632, 345.451

Deuteranomaly
36, 14.515, 12.026

Tritanomaly
36, 28.453, 13.637

Monochromacy



Original Color
36, 29.603, 4.763

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 11.145, 1.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 29.603, 4.763 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(129, 65, 82)` looks like.

```
.text, #text, p{  
    color:rgb(129, 65, 82)  
}
```

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(129, 65, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 65, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 29.603, 4.763 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(129, 65, 82) }
```

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

```
.border{ border-color:rgb(129, 65, 82) }
```

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

Here you see how a box with a 4 pixel rgb(129, 65, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 65, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 65, 82);  
box-shadow:4px 4px 4px 4px rgb(129, 65,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 29.603, 4.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 65, 82) }
```

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

```
.background{ background-color: rgb(129, 65,  
82) }
```

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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