

Converting Colors

CIELCh(29, 21.639, 303.080)

Have a look what the booklet for
CIELCh(29, 21.639, 303.080)
contains.

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Color

CIELCh(29, 21.645, 303.097)

Conversions

Conversions Part 1

Format	Color
Hex	483F60
RGB	72, 63, 96
RGB Percent	28%, 25%, 38%
CMY	0.7162, 0.7515, 0.6220
CMYK	0.25, 0.34, 0.00, 0.62
HSL	256°, 21%, 31%
HSV	256°, 34%, 38%
XYZ	6.6263, 5.8380, 11.9363
YIQ	69.4530, -5.2290, 12.1710

Conversions

Conversions Part 2

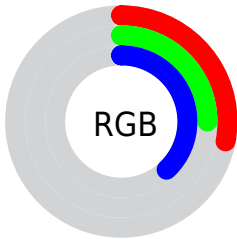
Format	Color
R_YB	72, 63, 96
Decimal	4734816
CIE _{Lab}	29.00, 11.82, -18.13
CIE _{LCh}	29, 21.645, 303.097
Yxy	5.8380, 0.2716, 0.2393
Android (android.graphics.Color)	4282924896 (0xFF483F60)
YUV	69.4530, 13.0877, 2.2337
Hunter-Lab	24.1619, 6.6692, -12.3765

Details

The CIELCh color **29, 21.645, 303.097** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **39, 20.246, 118.849**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 21.580, 302.589**, and **9, 21.711, 302.733** is the 20% darker color. If you saturate the color by 10%, you get **26, 28.397, 303.951**, and if you desaturate by 10%, it is **32, 15.077, 302.321**.

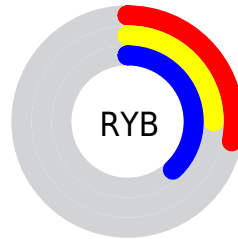
Distribution



Red (28%)

Green (25%)

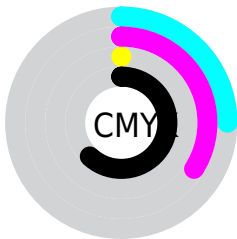
Blue (38%)



Red (28%)

Yellow (25%)

Blue (38%)

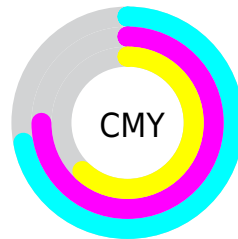


Cyan (25%)

Magenta (34%)

Yellow (0%)

Black (62%)



Cyan (72%)

Magenta (75%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 21.645, 303.097 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, 21.645, 303.097 by changing the saturation by 10% instead.

■ 29, 21.645,
303.097

■ 29, 21.645,
303.097

■ 100, 21.645,
303.097

■ 19, 21.645,
303.097

■ 49, 21.645,
303.097

■ 9, 21.645, 303.097

■ 59, 21.645,
303.097

■ 0, 21.645, 303.097

■ 69, 21.645,
303.097

■ 79, 21.645,
303.097

■ 89, 21.645,
303.097

■ 99, 21.645,

303.097

■ 29, 21.645,
303.097

■ 29, 21.645,
303.097

■ 26, 28.397,
303.951

■ 32, 15.077,
302.321

■ 22, 35.282,
304.867

■ 36, 8.716, 301.628

■ 19, 42.181,
305.809

■ 39, 2.566, 301.010

■ 43, 3.379, 120.488

■ 16, 48.870,
306.711

■ 46, 9.127, 120.014

■ 13, 54.967,
307.461

■ 50, 14.688,
119.603

■ 11, 60.196,
308.024

■ 53, 20.072,
119.247

■ 10, 63.494,
308.555

■ 56, 25.291,
118.938

■ 60, 30.354,
118.670

Harmonies

Complementary

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



29, 21.645, 303.097



39, 20.246, 118.849

Rectangle

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



29, 21.645, 303.097



29, 21.645, 353.097



29, 21.645, 123.097



29, 21.645, 173.097

Sweetspot

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



29, 21.644, 303.097



48, 7.516, 301.375



36, 10.470, 230.150



24, 5.176, 301.436



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



29, 21.644, 303.097



35, 32.467, 303.771



31, 23.343, 319.190



18, 3.412, 301.287



12, 70.827, 308.387



33, 124.704, 307.855

Inverse Universe

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



31, 20.493, 335.458



38, 30.206, 336.046



38, 22.942, 136.167



18, 3.346, 333.726



24, 51.707, 342.109



54, 89.392, 343.252

Previews

White Background



This preview shows how the CIELCh color 29, 21.645, 303.097 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 29, 21.645, 303.097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

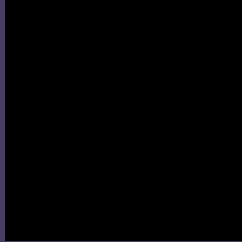
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 21.645, 303.097

Background



This preview shows how black text looks on a background with the CIELCh color 29, 21.645, 303.097.



This preview shows how white text looks on a background with the CIELCh color 29, 21.645, 303.097.

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, 21.645, 303.097

Protanopia

29, 21.355, 285.599

Deuteranopia

29, 17.556, 282.622



Tritanopia
29, 3.222, 290.800

Trichromacy



Original Color
29, 21.645, 303.097

Protanomaly
29, 21.251, 291.167

Deuteranomaly
29, 19.330, 291.561

Tritanomaly
29, 10.489, 301.133

Monochromacy



Original Color
29, 21.645, 303.097

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 7.840, 300.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 21.645, 303.097 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(72, 63, 96)` looks like.

```
.text, #text, p{  
    color:rgb(72, 63, 96)  
}
```

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(72, 63, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 63, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 21.645, 303.097 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(72, 63, 96) }
```

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

```
.border{ border-color:rgb(72, 63, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 63, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 63, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 63, 96);  
box-shadow:4px 4px 4px 4px rgb(72, 63, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 21.645, 303.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 63, 96) }
```

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

```
.background{ background-color: rgb(72, 63,  
96) }
```

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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