

Converting Colors

CIELCh(29, 12.341, 172.360)

Have a look what the booklet for
CIELCh(29, 12.341, 172.360)
contains.

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Color

CIELCh(29, 12.763, 170.419)

Conversions

Conversions Part 1

Format	Color
Hex	2F4A41
RGB	47, 74, 65
RGB Percent	18%, 29%, 25%
CMY	0.8167, 0.7109, 0.7461
CMYK	0.37, 0.00, 0.12, 0.71
HSL	160°, 22%, 24%
HSV	160°, 37%, 29%
XYZ	4.5373, 5.8380, 5.8486
YIQ	64.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

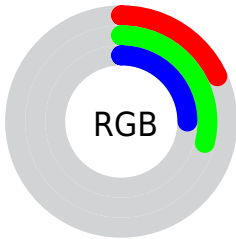
Format	Color
R_{YB}	47, 63, 74
Decimal	3099201
CIE _{Lab}	29.00, -12.58, 2.12
CIE _{LCh}	29, 12.763, 170.419
Yxy	5.8380, 0.2797, 0.3598
Android (android.graphics.Color)	4281289281 (0xFF2F4A41)
YUV	64.9010, 0.0488, -15.6992
Hunter-Lab	24.1619, -8.7632, 2.5617

Details

The CIELCh color **29, 12.763, 170.419** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **23, 13.907, 357.352**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 12.835, 170.783**, and **9, 12.339, 171.823** is the 20% darker color. If you saturate the color by 10%, you get **29, 15.961, 169.333**, and if you desaturate by 10%, it is **30, 9.401, 171.416**.

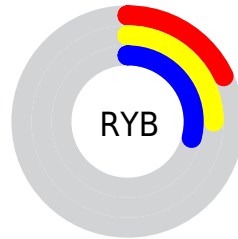
Distribution



Red (18%)

Green (29%)

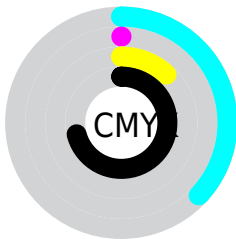
Blue (25%)



Red (18%)

Yellow (25%)

Blue (29%)

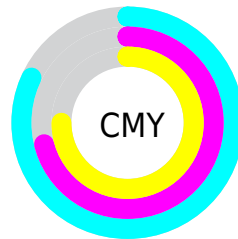


Cyan (37%)

Magenta (0%)

Yellow (12%)

Black (71%)



Cyan (82%)


Magenta (71%)

Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 12.763, 170.419 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, 12.763, 170.419 by changing the saturation by 10% instead.

 29, 12.763,
170.419


 29, 12.763,
170.419

 100, 12.763,
170.419

 19, 12.763,
170.419


 49, 12.763,
170.419


 9, 12.763, 170.419

 59, 12.763,
170.419

 0, 12.763, 170.419

 69, 12.763,
170.419

 79, 12.763,
170.419

 89, 12.763,
170.419

 99, 12.763,

170.419

■ 29, 12.763,
170.419

■ 29, 12.763,
170.419

■ 29, 15.961,
169.333

■ 30, 9.401, 171.416

■ 30, 5.922, 172.348

■ 28, 18.945,
168.144

■ 31, 2.368, 173.260

■ 28, 21.670,
166.835

■ 32, 1.222, 353.779

■ 27, 24.099,
165.385

■ 32, 4.818, 354.674

■ 33, 8.394, 355.411

■ 27, 26.208,
163.779

■ 34, 11.932,
356.101

■ 27, 28.188,
162.231

■ 35, 15.416,

■ 27, 28.872,
161.761

356.757

■ 36, 18.837,
357.384

Harmonies

Complementary

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



29, 12.763, 170.419



23, 13.907, 357.352

Rectangle

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



29, 12.763, 170.419



29, 12.763, 220.419



29, 12.763, 350.419



29, 12.763, 40.419

Sweetspot

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



29, 12.764, 170.417



40, 4.934, 172.814



29, 19.039, 133.120



19, 3.269, 172.764



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 12.764, 170.417



38, 18.929, 169.430



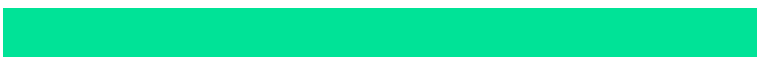
28, 9.231, 216.680



14, 1.943, 173.078



37, 36.046, 160.748



80, 67.785, 158.996

Inverse Universe

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



23, 13.907, 357.352



28, 21.080, 358.615



24, 11.668, 36.044



13, 1.982, 354.341



19, 42.787, 14.446



48, 79.426, 18.882

Previews

White Background



This preview shows how the CIELCh color 29, 12.763, 170.419 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, 12.763, 170.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

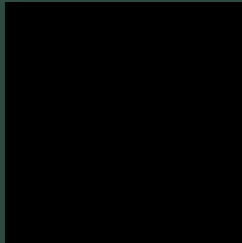
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 12.763, 170.419

Background



This preview shows how black text looks on a background with the CIELCh color 29, 12.763, 170.419.



This preview shows how white text looks on a background with the CIELCh color 29, 12.763, 170.419.

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](#).

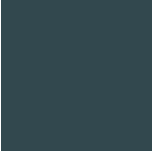
Dichromacy



Original Color
29, 12.763, 170.419

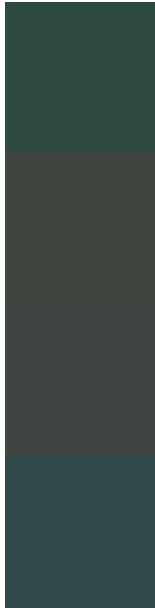
Protanopia
29, 4.081, 89.694

Deuteranopia
29, 4.088, 20.037



Tritanopia
29, 9.289, 222.985

Trichromacy



Original Color
29, 12.763, 170.419

Protanomaly
29, 5.777, 147.434

Deuteranomaly
29, 2.636, 152.060

Tritanomaly
29, 9.632, 197.953

Monochromacy



Original Color
29, 12.763, 170.419

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 4.808, 174.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 12.763, 170.419 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(47, 74, 65)` looks like.

```
.text, #text, p{  
    color:rgb(47, 74, 65)  
}
```

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(47, 74, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 74, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 12.763, 170.419 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(47, 74, 65) }
```

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

```
.border{ border-color:rgb(47, 74, 65) }
```

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

Here you see how a box with a 4 pixel rgb(47, 74, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 74, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 74, 65);  
box-shadow:4px 4px 4px 4px rgb(47, 74, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 12.763, 170.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 74, 65) }
```

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

```
.background{ background-color: rgb(47, 74,  
65) }
```

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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