

Converting Colors

CIELCh(29, 16.733, 247.974)

Have a look what the booklet for
CIELCh(29, 16.733, 247.974)
contains.

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Color

CIELCh(29, 16.801, 248.879)

Conversions

Conversions Part 1

Format	Color
Hex	25485C
RGB	37, 72, 92
RGB Percent	15%, 28%, 36%
CMY	0.8539, 0.7168, 0.6383
CMYK	0.60, 0.22, 0.00, 0.64
HSL	202°, 42%, 25%
HSV	202°, 60%, 36%
XYZ	5.0453, 5.8380, 11.0392
YIQ	63.8150, -27.2800, -1.2000

Conversions

Conversions Part 2

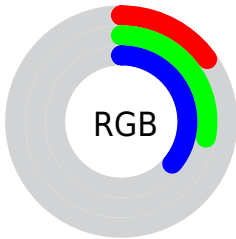
Format	Color
R_{YB}	37, 58, 92
Decimal	2443356
CIE _{Lab}	29.00, -6.05, -15.67
CIE _{LCh}	29, 16.801, 248.879
Yxy	5.8380, 0.2301, 0.2663
Android (android.graphics.Color)	4280633436 (0xFF25485C)
YUV	63.8150, 13.8952, -23.5168
Hunter-Lab	24.1619, -5.0104, -10.1752




Details

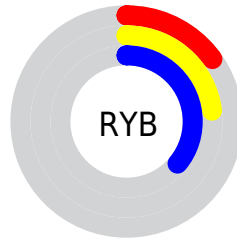
The CIELCh color **29, 16.801, 248.879** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **28, 22.927, 55.050**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **49, 16.761, 249.537**, and **10, 14.860, 256.991** is the 20% darker color. If you saturate the color by 10%, you get **27, 19.022, 251.767**, and if you desaturate by 10%, it is **31, 14.383, 246.473**.

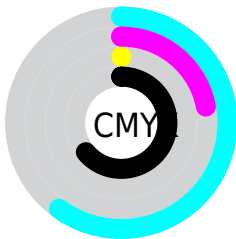
Distribution







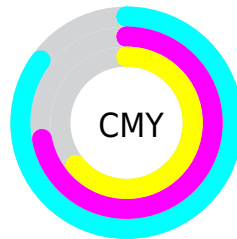
-  Red (15%)
-  Green (28%)
-  Blue (36%)






-  Red (15%)
-  Yellow (23%)
-  Blue (36%)



-  Cyan (60%)
-  Magenta (22%)
-  Yellow (0%)
-  Black (64%)





-  Cyan (85%)
-  Magenta (72%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 16.801, 248.879 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, 16.801, 248.879 by changing the saturation by 10% instead.

 29, 16.801,
248.879


 29, 16.801,
248.879

 100, 16.801,
248.879


 19, 16.801,
248.879


 49, 16.801,
248.879


 9, 16.801, 248.879

 59, 16.801,
248.879

 0, 16.801, 248.879

 69, 16.801,
248.879

 79, 16.801,
248.879

 89, 16.801,
248.879

 99, 16.801,

248.879

■ 29, 16.801,
248.879

■ 29, 16.801,
248.879

■ 27, 19.022,
251.767

■ 31, 14.383,
246.473

■ 26, 21.058,
255.189

■ 32, 11.777,
244.487

■ 25, 22.943,
259.156

■ 34, 8.999, 242.855

■ 23, 24.859,
263.033

■ 36, 6.074, 241.521

■ 37, 3.026, 240.454

■ 23, 24.936,
263.171

■ 39, 0.119, 57.207

■ 41, 3.341, 58.605

■ 43, 6.621, 58.008

■ 45, 9.940, 57.487

Harmonies

Complementary

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



29, 16.801, 248.879



28, 22.927, 55.050

Rectangle

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



29, 16.801, 248.879



29, 16.801, 298.879



29, 16.801, 68.879



29, 16.801, 118.879

Sweetspot

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



29, 16.800, 248.879



46, 6.928, 241.397



35, 31.237, 150.792



23, 4.835, 241.643



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



29, 16.800, 248.879



35, 24.047, 253.288



20, 31.612, 292.553



18, 1.759, 240.383



28, 28.537, 264.375



60, 52.509, 267.938

Inverse Universe

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



24, 31.354, 341.917



29, 44.649, 343.712



36, 28.344, 97.007



17, 2.995, 337.539



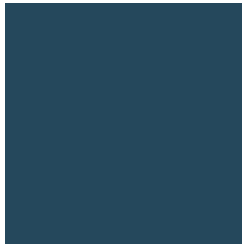
23, 48.194, 348.504



52, 83.929, 350.335

Previews

White Background



This preview shows how the CIE LCh color 29, 16.801, 248.879 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 29, 16.801, 248.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

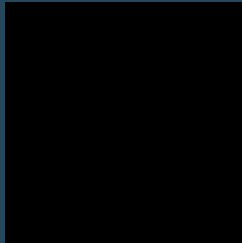
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 16.801, 248.879

Background



This preview shows how black text looks on a background with the CIELCh color 29, 16.801, 248.879.



This preview shows how white text looks on a background with the CIELCh color 29, 16.801, 248.879.

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, 16.801, 248.879

Protanopia

29, 14.223, 286.626

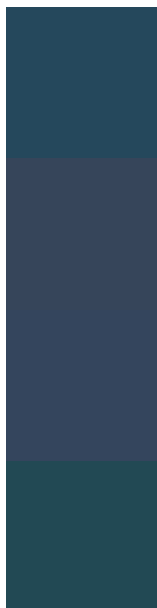
Deuteranopia

29, 16.872, 284.470



Tritanopia
29, 14.926, 212.535

Trichromacy



Original Color
29, 16.801, 248.879

Protanomaly
29, 14.388, 270.113

Deuteranomaly
29, 16.344, 271.214

Tritanomaly
29, 14.795, 226.618

Monochromacy



Original Color
29, 16.801, 248.879

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 6.854, 240.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 16.801, 248.879 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(37, 72, 92)` looks like.

```
.text, #text, p{  
    color:rgb(37, 72, 92)  
}
```

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(37, 72, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 72, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 16.801, 248.879 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(37, 72, 92) }
```

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

```
.border{ border-color:rgb(37, 72, 92) }
```

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

Here you see how a box with a 4 pixel rgb(37, 72, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 72, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 72, 92);  
box-shadow:4px 4px 4px 4px rgb(37, 72, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 16.801, 248.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 72, 92) }
```

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

```
.background{ background-color: rgb(37, 72,  
92) }
```

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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