

Converting Colors

CIELCh(28, 20.537, 241.150)

Have a look what the booklet for
CIELCh(28, 20.537, 241.150)
contains.

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Color

CIELCh(28, 20.409, 239.863)

Conversions

Conversions Part 1

Format	Color
Hex	0A485D
RGB	10, 72, 93
RGB Percent	4%, 28%, 36%
CMY	0.9624, 0.7184, 0.6361
CMYK	0.90, 0.23, 0.00, 0.64
HSL	195°, 81%, 20%
HSV	195°, 90%, 36%
XYZ	4.3909, 5.4574, 11.1295
YIQ	55.8560, -43.6930, -6.6130

Conversions

Conversions Part 2

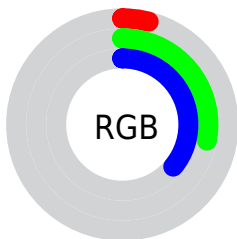
Format	Color
RYB	10, 45, 93
Decimal	673885
CIELab	28.00, -10.25, -17.65
CIElCh	28, 20.409, 239.863
Yxy	5.4574, 0.2093, 0.2601
Android (android.graphics.Color)	4278863965 (0xFF0A485D)
YUV	55.8560, 18.3120, -40.2157
Hunter-Lab	23.3610, -7.3310, -11.8939

Details

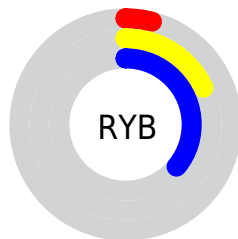
The CIELCh color **28, 20.409, 239.863** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 38.637, 44.930**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 20.290, 238.162**, and **10, 15.377, 259.283** is the 20% darker color. If you saturate the color by 10%, you get **27, 21.497, 243.167**, and if you desaturate by 10%, it is **29, 19.252, 236.635**.

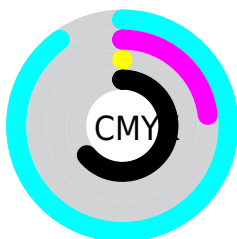
Distribution



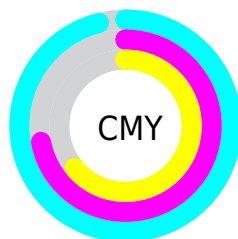
- Red (4%)
- Green (28%)
- Blue (36%)



- Red (4%)
- Yellow (18%)
- Blue (36%)



- Cyan (90%)
- Magenta (23%)
- Yellow (0%)
- Black (64%)



- Cyan (96%)
- Magenta (72%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 20.409, 239.863 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 28, 20.409, 239.863 by changing the saturation by 10% instead.

■ 28, 20.409,
239.863

■ 28, 20.409,
239.863

■ 100, 20.409,
239.863

■ 18, 20.409,
239.863

■ 48, 20.409,
239.863

■ 8, 20.409, 239.863

■ 58, 20.409,
239.863

■ 0, 20.409, 239.863

■ 68, 20.409,
239.863

■ 78, 20.409,
239.863

■ 88, 20.409,
239.863

■ 98, 20.409,

239.863

■ 28, 20.409,
239.863

■ 28, 20.409,
239.863

■ 27, 21.497,
243.167

■ 29, 19.252,
236.635

■ 27, 21.535,
243.271

■ 30, 17.795,
233.975

■ 31, 16.019,
231.821

■ 32, 13.932,
230.100

■ 34, 11.558,
228.740

■ 35, 8.930, 227.677

■ 37, 6.086, 226.860

■ 38, 3.062, 226.265

■ 39, 0.105, 42.812

Harmonies

Complementary

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



28, 20.409, 239.863



21, 38.637, 44.930

Rectangle

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



28, 20.409, 239.863



28, 20.409, 289.863



28, 20.409, 59.863



28, 20.409, 109.863

Sweetspot

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



28, 20.408, 239.863



46, 10.088, 227.509



34, 47.161, 142.566



23, 6.808, 227.705



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



28, 20.408, 239.863



35, 25.982, 244.786



14, 43.702, 295.672



18, 1.762, 226.228



32, 24.328, 244.295



68, 43.618, 247.538

Inverse Universe

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



20, 44.059, 339.307



26, 54.884, 340.891



32, 37.163, 86.261



17, 3.243, 332.919



23, 51.598, 340.736



53, 89.957, 341.783

Previews

White Background



This preview shows how the CIELCh color 28, 20.409, 239.863 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 28, 20.409, 239.863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

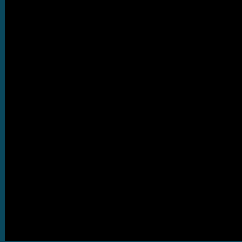
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

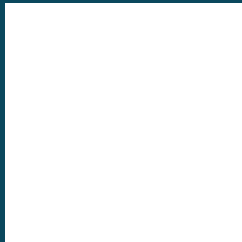
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 20.409, 239.863

Background



This preview shows how black text looks on a background with the CIELCh color 28, 20.409, 239.863.



This preview shows how white text looks on a background with the CIELCh color 28, 20.409, 239.863.

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

28, 20.409, 239.863

Protanopia

28, 14.965, 285.709

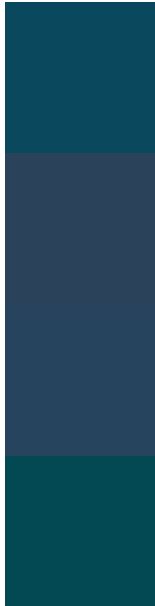
Deuteranopia

28, 18.316, 282.246



Tritanopia
28, 19.870, 206.095

Trichromacy



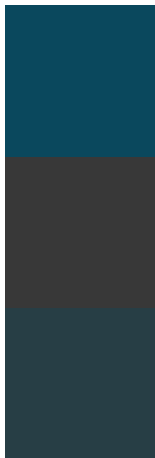
Original Color
28, 20.409, 239.863

Protanomaly
27, 16.803, 262.311

Deuteranomaly
28, 18.840, 263.032

Tritanomaly
28, 19.336, 218.832

Monochromacy



Original Color
28, 20.409, 239.863

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 9.866, 226.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 20.409, 239.863 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(10, 72, 93)` looks like.

```
.text, #text, p{  
    color:rgb(10, 72, 93)  
}
```

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(10, 72, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 72, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 20.409, 239.863 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(10, 72, 93) }
```

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

```
.border{ border-color:rgb(10, 72, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 72, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 72, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 72, 93);  
box-shadow:4px 4px 4px 4px rgb(10, 72, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 20.409, 239.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 72, 93) }
```

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

```
.background{ background-color: rgb(10, 72,  
93) }
```

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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