

Converting Colors

CIELCh(41, 28.490, 251.978)

Have a look what the booklet for
CIELCh(41, 28.490, 251.978)
contains.

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Color

CIELCh(41, 28.618, 252.478)

Conversions

Conversions Part 1

Format	Color
Hex	1C678D
RGB	28, 103, 141
RGB Percent	11%, 40%, 55%
CMY	0.8903, 0.5962, 0.4472
CMYK	0.80, 0.27, 0.00, 0.45
HSL	200°, 67%, 33%
HSV	200°, 80%, 55%
XYZ	10.1316, 11.8645, 26.9455
YIQ	84.9070, -56.8980, -4.0820

Conversions

Conversions Part 2

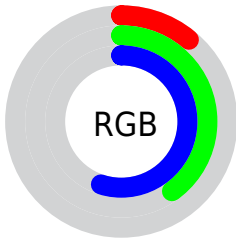
Format	Color
R_{YB}	28, 73, 141
Decimal	1861517
CIE _{Lab}	41.00, -8.62, -27.29
CIE _{LCh}	41, 28.618, 252.478
Yxy	11.8645, 0.2070, 0.2424
Android (android.graphics.Color)	4280051597 (0xFF1C678D)
YUV	84.9070, 27.6538, -49.9074
Hunter-Lab	34.4449, -7.7748, -22.2698

Details

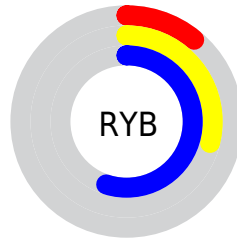
The CIELCh color **41, 28.618, 252.478** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 46.940, 51.417**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 28.686, 252.569**, and **22, 25.585, 266.213** is the 20% darker color. If you saturate the color by 10%, you get **39, 30.894, 256.805**, and if you desaturate by 10%, it is **43, 26.094, 248.772**.

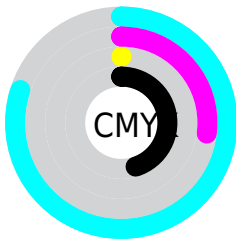
Distribution



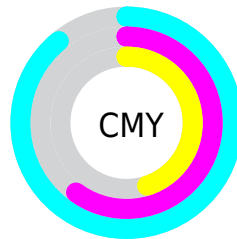
- Red (11%)
- Green (40%)
- Blue (55%)



- Red (11%)
- Yellow (29%)
- Blue (55%)



- Cyan (80%)
- Magenta (27%)
- Yellow (0%)
- Black (45%)



- Cyan (89%)
- Magenta (60%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 28.618, 252.478 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 41, 28.618, 252.478 by changing the saturation by 10% instead.

 41, 28.618,
252.478

 41, 28.618,
252.478


 100, 28.618,
252.478

 31, 28.618,
252.478

 61, 28.618,
252.478

 21, 28.618,
252.478

 71, 28.618,
252.478

 11, 28.618,
252.478


 81, 28.618,
252.478

 1, 28.618, 252.478

 91, 28.618,
252.478

 0, 28.618, 252.478

 41, 28.618,

 41, 28.618,

252.478

■ 39, 30.894,
256.805

■ 38, 33.078,
261.333

252.478

■ 43, 26.094,
248.772

■ 45, 23.259,
245.678

■ 47, 20.089,
243.138

■ 49, 16.593,
241.075

■ 51, 12.802,
239.412

■ 54, 8.756, 238.078

■ 56, 4.500, 237.031

■ 59, 0.076, 241.033

■ 61, 4.480, 55.271

Harmonies

Complementary

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



41, 28.618, 252.478



37, 46.940, 51.417

Rectangle

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



41, 28.618, 252.478



41, 28.618, 302.478



41, 28.618, 72.478



41, 28.618, 122.478

Sweetspot

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



41, 28.617, 252.479



67, 12.809, 238.622



51, 56.867, 146.405



34, 8.704, 239.050



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



41, 28.617, 252.479



49, 39.587, 260.602



24, 61.224, 297.913



29, 2.532, 236.946



36, 32.008, 261.112



1, 1.738, 236.071

Inverse Universe

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



33, 54.767, 343.453



41, 70.294, 346.759



51, 50.294, 93.315



28, 4.429, 336.381



29, 56.618, 346.982



1, 2.968, 335.786

Previews

White Background



This preview shows how the CIELCh color 41, 28.618, 252.478 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 × Fail

Black Background



This preview shows how the CIE LCh color 41, 28.618, 252.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

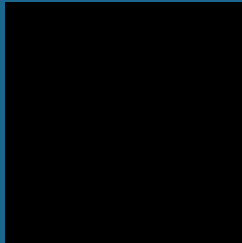
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 28.618, 252.478

Background



This preview shows how black text looks on a background with the CIELCh color 41, 28.618, 252.478.



This preview shows how white text looks on a background with the CIELCh color 41, 28.618, 252.478.

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


41, 28.618, 252.478

Protanopia

41, 24.431, 284.956

Deuteranopia

41, 28.901, 281.660



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 28.618, 252.478

Protanomaly
41, 25.384, 269.035

Deuteranomaly
41, 27.977, 268.897

Tritanomaly
41, 25.044, 223.256

Monochromacy



Original Color
41, 28.618, 252.478

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 12.670, 237.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 28.618, 252.478 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(28, 103, 141)` looks like.

```
.text, #text, p{  
    color:rgb(28, 103, 141)  
}
```

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(28, 103, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 103, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 28.618, 252.478 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(28, 103, 141) }
```

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

```
.border{ border-color:rgb(28, 103, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 103, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 103, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 103, 141);  
box-shadow:4px 4px 4px 4px rgb(28, 103,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 28.618, 252.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 103, 141) }
```

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

```
.background{ background-color: rgb(28, 103,  
141) }
```

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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