

Converting Colors

CIELCh(12, 27.796, 6.649)

Have a look what the booklet for
CIELCh(12, 27.796, 6.649) contains.

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Color

CIELCh(12, 28.041, 6.678)

Conversions

Conversions Part 1

Format	Color
Hex	41091C
RGB	65, 9, 28
RGB Percent	25%, 4%, 11%
CMY	0.7449, 0.9645, 0.8900
CMYK	0.00, 0.86, 0.57, 0.74
HSL	340°, 76%, 15%
HSV	340°, 86%, 26%
XYZ	2.4921, 1.4064, 1.2415
YIQ	27.9100, 27.2770, 17.7810

Conversions

Conversions Part 2

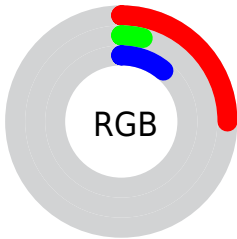
Format	Color
RYB	65, 9, 28
Decimal	4262172
CIELab	12.00, 27.85, 3.26
CIELCh	12, 28.041, 6.678
Yxy	1.4064, 0.4848, 0.2736
Android (android.graphics.Color)	4282452252 (0xFF41091C)
YUV	27.9100, 0.0444, 32.5279
Hunter-Lab	11.8591, 16.7569, 2.0945

Details

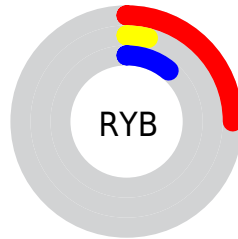
The CIELCh color **12, 28.041, 6.678** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 23.836, 163.766**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 27.705, 7.028**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 30.636, 9.333**, and if you desaturate by 10%, it is **13, 25.529, 3.860**.

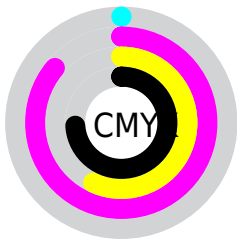
Distribution



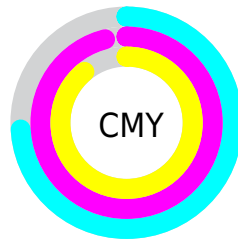
- Red (25%)
- Green (4%)
- Blue (11%)



- Red (25%)
- Yellow (4%)
- Blue (11%)



- Cyan (0%)
- Magenta (86%)
- Yellow (57%)
- Black (74%)




- Cyan (74%)
- Magenta (96%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 28.041, 6.678 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 12, 28.041, 6.678 by changing the saturation by 10% instead.

 12, 28.041, 6.678  12, 28.041, 6.678

 100, 28.041, 6.678  2, 28.041, 6.678

 32, 28.041, 6.678  0, 28.041, 6.678

 42, 28.041, 6.678

 52, 28.041, 6.678

 62, 28.041, 6.678

 72, 28.041, 6.678

 82, 28.041, 6.678

 92, 28.041, 6.678

 12, 28.041, 6.678  12, 28.041, 6.678

■ 11, 30.636, 9.333

■ 13, 25.529, 3.860

■ 10, 31.766, 10.128

■ 15, 22.588, 1.561

■ 16, 19.332,
359.677

■ 18, 15.886,
358.112

■ 20, 12.361,
356.787

■ 22, 8.837, 355.646

■ 24, 5.370, 354.640

■ 26, 1.997, 353.697

■ 28, 1.265, 173.183

Harmonies

Complementary

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



12, 28.041, 6.678



24, 23.836, 163.766

Rectangle

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



12, 28.041, 6.678



12, 28.041, 56.678



12, 28.041, 186.678



12, 28.041, 236.678

Sweetspot

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



12, 28.040, 6.680



29, 10.930, 355.755



10, 39.507, 316.755



13, 7.487, 355.906



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



12, 28.040, 6.680



15, 37.932, 12.596



13, 27.778, 35.690



12, 1.866, 353.935



19, 41.935, 13.724



48, 78.551, 18.292

Inverse Universe

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



12, 28.040, 6.680



15, 37.932, 12.596



21, 15.334, 219.036



12, 1.866, 353.935



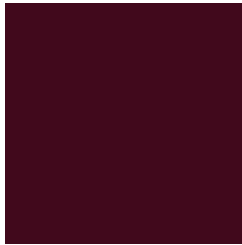
19, 41.935, 13.724



48, 78.551, 18.292

Previews

White Background



This preview shows how the CIELCh color 12, 28.041, 6.678 looks on a white background.

Color Contrast Check

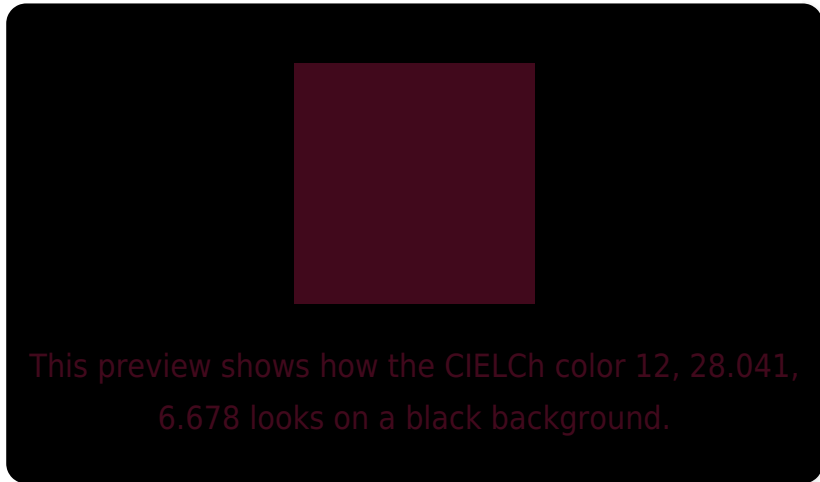
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

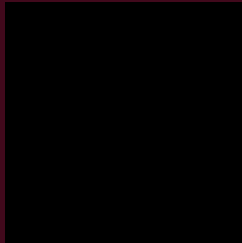
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 28.041, 6.678

Background



This preview shows how black text looks on a background with the CIELCh color 12, 28.041, 6.678.



This preview shows how white text looks on a background with the CIELCh color 12, 28.041, 6.678.

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

12, 28.041, 6.678

Protanopia

13, 4.317, 285.276

Deuteranopia

13, 6.888, 75.149



Tritanopia
12, 27.375, 28.089

Trichromacy



Original Color

12, 28.041, 6.678

Protanomaly

12, 12.504, 344.333

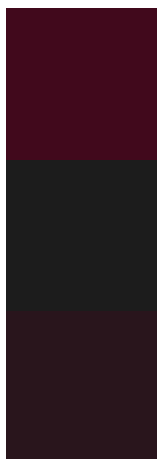
Deuteranomaly

12, 13.458, 17.740

Tritanomaly

12, 27.226, 20.917

Monochromacy



Original Color

12, 28.041, 6.678

Achromatopsia

10, 0.003, 296.813

Achromatomaly

10, 11.437, 357.084

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 12, 28.041, 6.678 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(65, 9, 28)` looks like.

```
.text, #text, p{  
    color:rgb(65, 9, 28)  
}
```

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(65, 9, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 9, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 28.041, 6.678 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(65, 9, 28) }
```

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

```
.border{ border-color:rgb(65, 9, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 9, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 9, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 9, 28); box-shadow:4px  
4px 4px 4px rgb(65, 9, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 28.041, 6.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 9, 28) }
```

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

```
.background{ background-color: rgb(65, 9,  
28) }
```

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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