

Converting Colors

CIELCh(6, 18.022, 12.410)

Have a look what the booklet for
CIELCh(6, 18.022, 12.410) contains.

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Color

CIELCh(6, 17.841, 12.018)

Conversions

Conversions Part 1	
Format	Color
Hex	29070D
RGB	41, 7, 13
RGB Percent	16%, 3%, 5%
CMY	0.8385, 0.9713, 0.9477
CMYK	0.00, 0.82, 0.68, 0.84
HSL	349°, 70%, 10%
HSV	349°, 82%, 16%
XYZ	1.0762, 0.6642, 0.4635
YIQ	17.8500, 18.3380, 9.0740

Conversions

Conversions Part 2

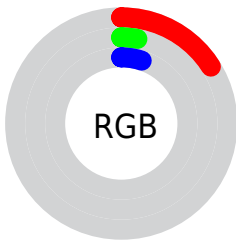
Format	Color
RYB	41, 7, 13
Decimal	2688781
CIELab	6.00, 17.45, 3.71
CIELCh	6, 17.841, 12.018
Yxy	0.6642, 0.4883, 0.3014
Android (android.graphics.Color)	4280878861 (0xFF29070D)
YUV	17.8500, -2.3911, 20.3026
Hunter-Lab	8.1501, 9.3087, 2.3330

Details

The CIELCh color **6, 17.841, 12.018** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **14, 13.937, 178.398**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **26, 17.875, 12.900**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **5, 19.344, 11.754**, and if you desaturate by 10%, it is **7, 16.237, 11.508**.

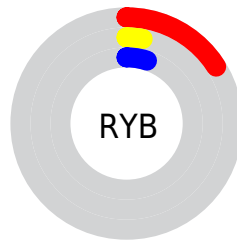
Distribution



Red (16%)

Green (3%)

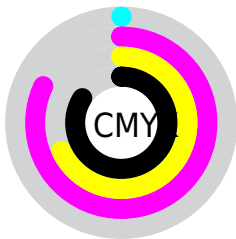
Blue (5%)



Red (16%)

Yellow (3%)

Blue (5%)

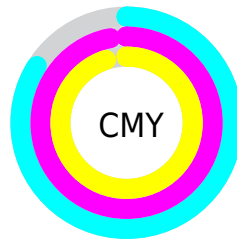


Cyan (0%)

Magenta (82%)

Yellow (68%)

Black (84%)



Cyan (84%)

Magenta (97%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 6, 17.841, 12.018 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 6, 17.841, 12.018 by changing the saturation by 10% instead.

 6, 17.841, 12.018  6, 17.841, 12.018

 96, 17.841, 12.018  0, 17.841, 12.018

 26, 17.841, 12.018

 36, 17.841, 12.018

 46, 17.841, 12.018

 56, 17.841, 12.018

 66, 17.841, 12.018

 76, 17.841, 12.018

 86, 17.841, 12.018

 6, 17.841, 12.018  6, 17.841, 12.018

■ 5, 19.344, 11.754

■ 7, 16.237, 11.508

■ 4, 20.458, 11.335

■ 8, 14.204, 11.017

■ 9, 11.828, 10.207

■ 11, 9.421, 8.851

■ 12, 7.060, 7.700

■ 13, 4.770, 6.709

■ 15, 2.565, 5.830

■ 16, 0.454, 4.770

■ 18, 1.563, 184.610

Harmonies

Complementary

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



6, 17.841, 12.018



14, 13.937, 178.398

Rectangle

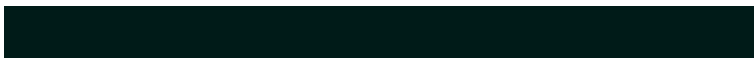
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



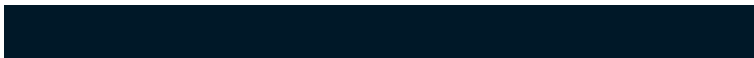
6, 17.841, 12.018



6, 17.841, 62.018



6, 17.841, 192.018



6, 17.841, 242.018

Sweetspot

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



6, 17.840, 12.020



18, 6.766, 7.124



6, 25.962, 321.386



7, 4.530, 6.738



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



6, 17.840, 12.020



7, 27.691, 15.526



8, 14.513, 42.096



6, 0.927, 5.383



15, 40.106, 25.266



44, 82.374, 31.627

Inverse Universe

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



6, 17.840, 12.020



7, 27.691, 15.526



10, 10.966, 244.560



6, 0.927, 5.383



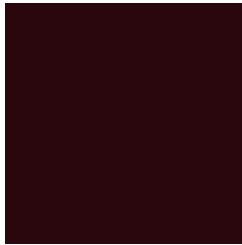
15, 40.106, 25.266



44, 82.374, 31.627

Previews

White Background



This preview shows how the CIELCh color 6, 17.841, 12.018 looks on a white background.

Color Contrast Check

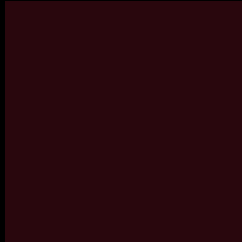
Large Text (above 18pt) WCAG AA ✓ Pass

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 6, 17.841, 12.018 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 6, 17.841, 12.018

Background



This preview shows how black text looks on a background with the CIELCh color 6, 17.841, 12.018.

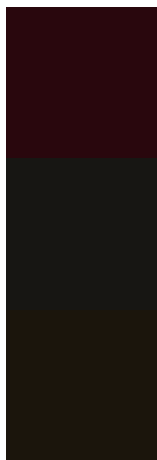


This preview shows how white text looks on a background with the CIELCh color 6, 17.841, 12.018.

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

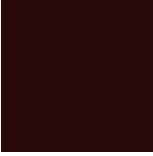
6, 17.841, 12.018

Protanopia

7, 2.060, 96.187

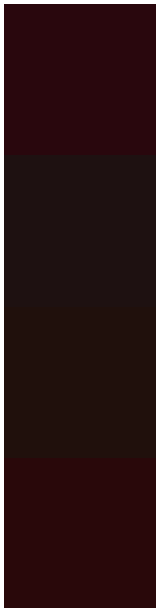
Deuteranopia

7, 5.945, 78.047



Tritanopia
6, 17.479, 20.048

Trichromacy



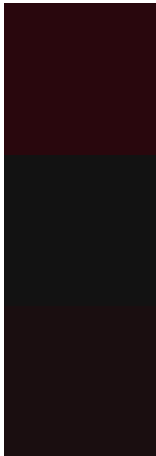
Original Color
6, 17.841, 12.018

Protanomaly
6, 6.740, 19.392

Deuteranomaly
6, 8.667, 32.733

Tritanomaly
6, 17.441, 17.467

Monochromacy



Original Color
6, 17.841, 12.018

Achromatopsia
5, 0.002, 296.812

Achromatomaly
5, 5.540, 8.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 6, 17.841, 12.018 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(41, 7, 13)` looks like.

```
.text, #text, p{  
    color:rgb(41, 7, 13)  
}
```

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(41, 7, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 7, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 6, 17.841, 12.018 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(41, 7, 13) }
```

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

```
.border{ border-color:rgb(41, 7, 13) }
```

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

Here you see how a box with a 4 pixel rgb(41, 7, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 7, 13); -webkit-box-shadow:4px  
4px 4px 4px rgb(41, 7, 13); box-shadow:4px  
4px 4px 4px rgb(41, 7, 13) }
```

Background

The CSS property to change the background color of an element to CIELCh 6, 17.841, 12.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 7, 13) }
```

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

```
.background{ background-color: rgb(41, 7,  
13) }
```

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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