

Converting Colors

CIELCh(18, 21.190, 83.106)

Have a look what the booklet for
CIELCh(18, 21.190, 83.106) contains.

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Color

CIELCh(18, 21.190, 83.106)

Conversions

Conversions Part 1

Format	Color
Hex	382A0C
RGB	56, 42, 12
RGB Percent	22%, 16%, 5%
CMY	0.7806, 0.8355, 0.9532
CMYK	0.00, 0.25, 0.79, 0.78
HSL	41°, 65%, 13%
HSV	41°, 79%, 22%
XYZ	2.5201, 2.5180, 0.6990
YIQ	42.7660, 17.9740, -6.3620

Conversions

Conversions Part 2

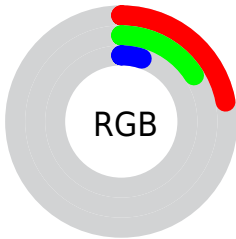
Format	Color
R_YB	33, 56, 12
Decimal	3680780
CIE _{Lab}	18.00, 2.54, 21.04
CIE _{LCh}	18, 21.190, 83.106
Yxy	2.5180, 0.4393, 0.4389
Android (android.graphics.Color)	4281870860 (0xFF382A0C)
YUV	42.7660, -15.1676, 11.6062
Hunter-Lab	15.8683, 0.5787, 8.4962

Details

The CIELCh color **18, 21.190, 83.106** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 22.268, 286.373**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 21.477, 82.984**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.860, 81.522**, and if you desaturate by 10%, it is **19, 18.949, 84.522**.

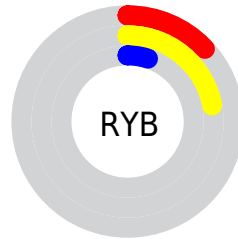
Distribution



Red (22%)

Green (16%)

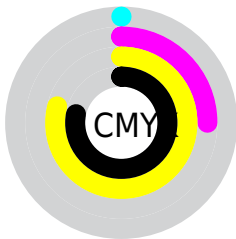
Blue (5%)



Red (13%)

Yellow (22%)

Blue (5%)

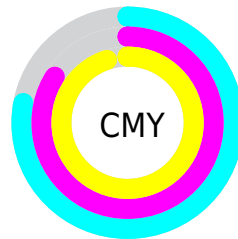


Cyan (0%)

Magenta (25%)

Yellow (79%)

Black (78%)



Cyan (78%)


Magenta (84%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 21.190, 83.106 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 18, 21.190, 83.106 by changing the saturation by 10% instead.

 18, 21.190, 83.106


 18, 21.190, 83.106


 100, 21.190,
83.106


 8, 21.190, 83.106


 0, 21.190, 83.106


 38, 21.190, 83.106

 48, 21.190, 83.106

 58, 21.190, 83.106

 68, 21.190, 83.106

 78, 21.190, 83.106

 88, 21.190, 83.106

 98, 21.190, 83.106

■ 18, 21.190, 83.106

■ 18, 21.190, 83.106

■ 17, 22.860, 81.522

■ 19, 18.949, 84.522

■ 17, 24.497, 80.120

■ 19, 16.191, 85.752

■ 17, 24.716, 79.947

■ 20, 13.380, 86.944

■ 21, 10.567, 88.104

■ 21, 7.776, 89.236

■ 22, 5.022, 90.335

■ 23, 2.310, 91.388

■ 24, 0.357, 272.734

■ 24, 2.980, 273.507

Harmonies

Complementary

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



18, 21.190, 83.106



10, 22.268, 286.373

Rectangle

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



18, 21.190, 83.106



18, 21.190, 133.106



18, 21.190, 263.106



18, 21.190, 313.106

Sweetspot

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



18, 21.190, 83.109



29, 8.198, 89.617



10, 23.226, 4.402



14, 5.692, 89.472



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 21.190, 83.109



23, 31.171, 80.362



22, 27.315, 112.385



10, 1.479, 91.421



29, 39.129, 79.038



67, 73.716, 76.754

Inverse Universe

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



10, 22.268, 286.373



11, 34.346, 292.057



6, 32.512, 303.498



9, 1.483, 273.278



14, 44.142, 294.828



37, 90.454, 297.833

Previews

White Background



This preview shows how the CIELCh color 18, 21.190, 83.106 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 18, 21.190, 83.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

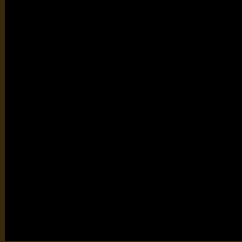
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 21.190, 83.106

Background



This preview shows how black text looks on a background with the CIELCh color 18, 21.190, 83.106.

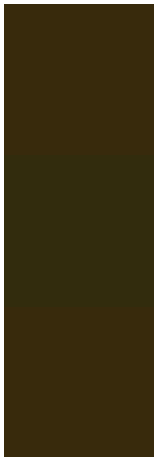


This preview shows how white text looks on a background with the CIELCh color 18, 21.190, 83.106.

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

18, 21.190, 83.106

Protanopia

18, 20.411, 95.573

Deuteranopia

18, 21.190, 83.106



Tritanopia
18, 9.616, 9.521

Trichromacy



Original Color
18, 21.190, 83.106

Protanomaly
18, 20.254, 90.642

Deuteranomaly
18, 21.190, 83.106

Tritanomaly
18, 11.136, 54.266

Monochromacy



Original Color
18, 21.190, 83.106

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 8.009, 89.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 21.190, 83.106 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(56, 42, 12)` looks like.

```
.text, #text, p{  
    color:rgb(56, 42, 12)  
}
```

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(56, 42, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 42, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 21.190, 83.106 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(56, 42, 12) }
```

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

```
.border{ border-color:rgb(56, 42, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 42, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 42, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 42, 12);  
box-shadow:4px 4px 4px 4px rgb(56, 42, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 21.190, 83.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 42, 12) }
```

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

```
.background{ background-color: rgb(56, 42,  
12) }
```

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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