

Converting Colors

CIELCh(18, 40.741, 40.878)

Have a look what the booklet for
CIELCh(18, 40.741, 40.878) contains.

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Color

CIELCh(18, 40.789, 40.397)

Conversions

Conversions Part 1

Format	Color
Hex	581202
RGB	88, 18, 2
RGB Percent	35%, 7%, 1%
CMY	0.6546, 0.9291, 0.9918
CMYK	0.00, 0.79, 0.98, 0.65
HSL	11°, 95%, 18%
HSV	11°, 98%, 35%
XYZ	4.2606, 2.5180, 0.3216
YIQ	37.1060, 46.8560, 9.8640

Conversions

Conversions Part 2

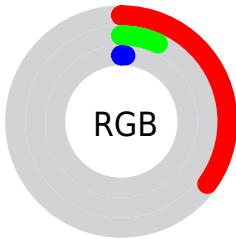
Format	Color
RYB	88, 22, 2
Decimal	5771778
CIELab	18.00, 31.06, 26.43
CIELCh	18, 40.789, 40.397
Yxy	2.5180, 0.6001, 0.3546
Android (android.graphics.Color)	4283961858 (0xFF581202)
YUV	37.1060, -17.3073, 44.6340
Hunter-Lab	15.8683, 20.1571, 9.9062

Details

The CIELCh color **18, 40.789, 40.397** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **28, 19.874, 229.025**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 40.964, 40.744**, and **3, 16.126, 17.972** is the 20% darker color. If you saturate the color by 10%, you get **18, 41.595, 40.427**, and if you desaturate by 10%, it is **19, 37.202, 40.818**.

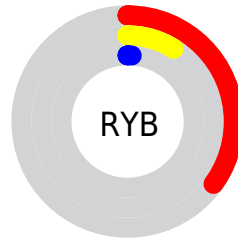
Distribution



Red (35%)

Green (7%)

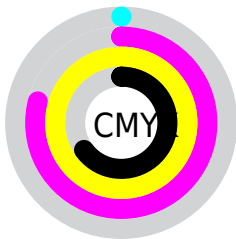
Blue (1%)



Red (35%)

Yellow (9%)

Blue (1%)

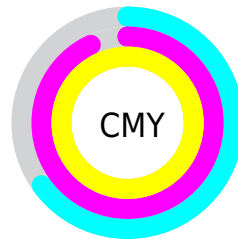


Cyan (0%)

Magenta (79%)

Yellow (98%)

Black (65%)



Cyan (65%)

Magenta (93%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 40.789, 40.397 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, 40.789, 40.397 by changing the saturation by 10% instead.

■ 18, 40.789, 40.397

■ 18, 40.789, 40.397

■ 100, 40.789,
40.397

■ 8, 40.789, 40.397

■ 38, 40.789, 40.397

■ 0, 40.789, 40.397

■ 48, 40.789, 40.397

■ 58, 40.789, 40.397

■ 68, 40.789, 40.397

■ 78, 40.789, 40.397

■ 88, 40.789, 40.397

■ 98, 40.789, 40.397

■ 18, 40.789, 40.397

■ 18, 40.789, 40.397

■ 18, 41.595, 40.427

■ 19, 37.202, 40.818

■ 21, 32.705, 40.596

■ 22, 27.684, 39.625

■ 24, 22.811, 38.854

■ 26, 18.178, 38.299

■ 29, 13.826, 37.939

■ 31, 9.768, 37.741

■ 33, 5.996, 37.667

■ 36, 2.497, 37.647

Harmonies

Complementary

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



18, 40.789, 40.397



28, 19.874, 229.025

Rectangle

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



18, 40.789, 40.397



18, 40.789, 90.397



18, 40.789, 220.397



18, 40.789, 270.397

Sweetspot

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



18, 40.788, 40.400



40, 12.870, 37.774



18, 46.095, 336.225



19, 8.997, 37.824



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 40.788, 40.400



24, 53.057, 42.415



28, 37.160, 79.587



16, 1.817, 37.653



22, 49.879, 42.005



51, 94.157, 42.743

Inverse Universe

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



28, 19.874, 229.025



36, 24.186, 230.815



13, 41.596, 294.055



17, 1.728, 218.137



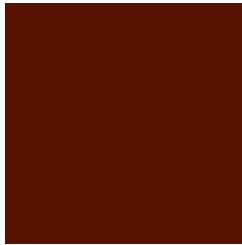
34, 23.024, 230.513



72, 41.057, 233.113

Previews

White Background



This preview shows how the CIELCh color 18, 40.789, 40.397 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 18, 40.789, 40.397

Background



This preview shows how black text looks on a background with the CIELCh color 18, 40.789, 40.397.

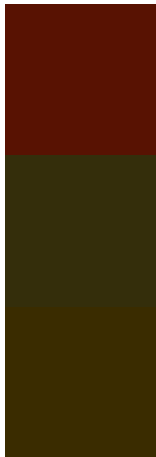


This preview shows how white text looks on a background with the CIELCh color 18, 40.789, 40.397.

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, 40.789, 40.397

Protanopia

19, 22.445, 96.088

Deuteranopia

19, 27.001, 86.787



Tritanopia
18, 37.610, 31.675

Trichromacy



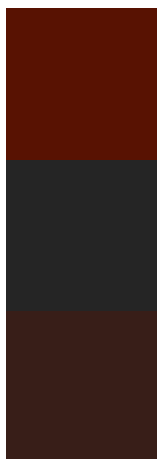
Original Color
18, 40.789, 40.397

Protanomaly
17, 24.979, 63.530

Deuteranomaly
18, 29.047, 62.369

Tritanomaly
18, 38.817, 34.997

Monochromacy



Original Color
18, 40.789, 40.397

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 15.239, 38.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 40.789, 40.397 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(88, 18, 2)` looks like.

```
.text, #text, p{  
    color:rgb(88, 18, 2)  
}
```

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(88, 18, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 18, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 40.789, 40.397 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(88, 18, 2) }
```

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

```
.border{ border-color:rgb(88, 18, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 18, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 18, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 18, 2); box-shadow:4px  
4px 4px 4px rgb(88, 18, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 40.789, 40.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 18, 2) }
```

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

```
.background{ background-color: rgb(88, 18,  
2) }
```

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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