

Converting Colors

CIELCh(18, 4.255, 40.984)

Have a look what the booklet for
CIELCh(18, 4.255, 40.984) contains.

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Color

CIELCh(18, 4.214, 39.172)

Conversions

Conversions Part 1

Format	Color
Hex	322A28
RGB	50, 42, 40
RGB Percent	20%, 16%, 16%
CMY	0.8027, 0.8341, 0.8420
CMYK	0.00, 0.16, 0.20, 0.80
HSL	12°, 11%, 18%
HSV	12°, 20%, 20%
XYZ	2.5570, 2.5180, 2.3849
YIQ	44.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

Format	Color
R _{YB}	50, 43, 40
Decimal	3287592
CIE Lab	18.00, 3.27, 2.66
CIE LCh	18, 4.214, 39.172
Yxy	2.5180, 0.3428, 0.3375
Android (android.graphics.Color)	4281477672 (0xFF322A28)
YUV	44.1640, -2.0529, 5.1182
Hunter-Lab	15.8683, 0.9933, 2.1968

Details

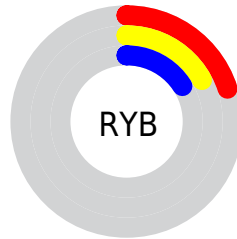
The CIELCh color **18, 4.214, 39.172** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 3.784, 220.105**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 4.102, 37.210**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 6.554, 39.186**, and if you desaturate by 10%, it is **19, 2.026, 39.229**.

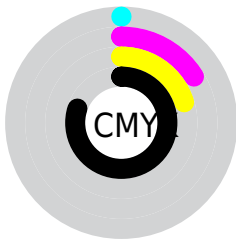
Distribution



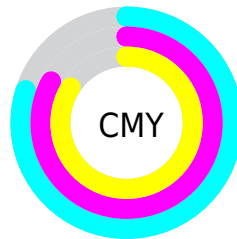
- Red (20%)
- Green (16%)
- Blue (16%)



- Red (20%)
- Yellow (17%)
- Blue (16%)



- Cyan (0%)
- Magenta (16%)
- Yellow (20%)
- Black (80%)



- Cyan (80%)
- Magenta (83%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 4.214, 39.172 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, 4.214, 39.172 by changing the saturation by 10% instead.

 18, 4.214, 39.172  18, 4.214, 39.172

 100, 4.214, 39.172  8, 4.214, 39.172

 38, 4.214, 39.172  0, 4.214, 39.172

 48, 4.214, 39.172

 58, 4.214, 39.172

 68, 4.214, 39.172

 78, 4.214, 39.172

 88, 4.214, 39.172

 98, 4.214, 39.172

 18, 4.214, 39.172  18, 4.214, 39.172

■ 17, 6.554, 39.186

■ 19, 2.026, 39.229

■ 15, 9.057, 39.282

■ 21, 0.020, 229.796

■ 14, 11.725, 39.499

■ 22, 1.936, 219.817

■ 13, 14.519, 39.687

■ 24, 3.733, 220.018

■ 11, 17.059, 38.470

■ 25, 5.424, 220.281

■ 10, 19.280, 36.229

■ 27, 7.020, 220.574

■ 9, 21.323, 34.142

■ 28, 8.531, 220.884

■ 8, 23.271, 32.971

■ 30, 9.965, 221.205

■ 8, 23.290, 32.964

■ 32, 11.331,
221.531

Harmonies

Complementary

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



18, 4.214, 39.172



19, 3.784, 220.105

Rectangle

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



18, 4.214, 39.172



18, 4.214, 89.172



18, 4.214, 219.172



18, 4.214, 269.172

Sweetspot

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



18, 4.214, 39.184



27, 1.529, 39.221



18, 7.276, 331.556



12, 0.992, 39.221



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 4.214, 39.184



24, 6.527, 39.175



20, 4.986, 91.637



8, 1.134, 39.079



18, 41.889, 41.210



48, 88.080, 43.252

Inverse Universe

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



19, 3.784, 220.105



26, 5.674, 220.323



18, 5.001, 275.964



9, 1.090, 219.802



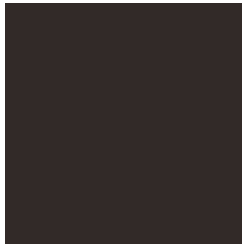
28, 20.313, 232.520



66, 38.907, 236.049

Previews

White Background



This preview shows how the CIELCh color 18, 4.214, 39.172 looks on a white background.

Color Contrast Check

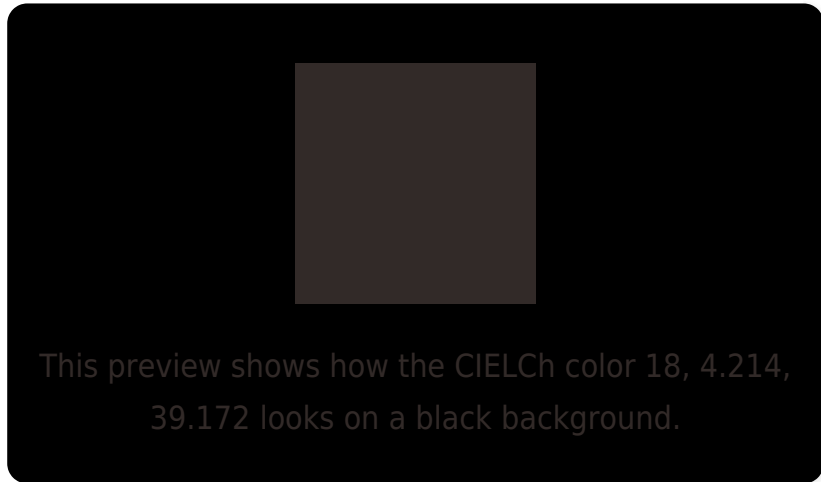
Large Text (above 18pt) WCAG AA ✓ Pass

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

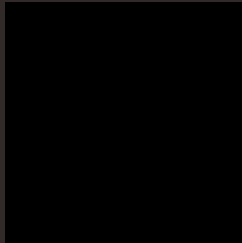
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 4.214, 39.172

Background



This preview shows how black text looks on a background with the CIELCh color 18, 4.214, 39.172.

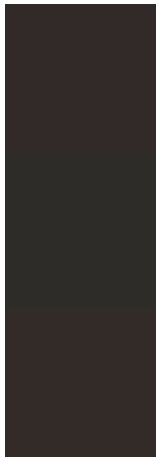


This preview shows how white text looks on a background with the CIELCh color 18, 4.214, 39.172.

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

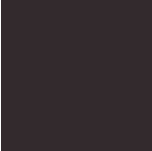
18, 4.214, 39.172

Protanopia

18, 2.275, 84.253

Deuteranopia

18, 4.051, 50.461



Tritanopia
18, 4.799, 355.094

Trichromacy



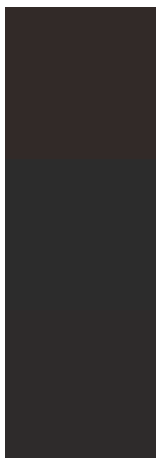
Original Color
18, 4.214, 39.172

Protanomaly
18, 2.812, 49.026

Deuteranomaly
18, 4.051, 50.461

Tritanomaly
18, 4.443, 11.524

Monochromacy



Original Color
18, 4.214, 39.172

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 1.443, 19.592

CSS Examples

Text

The CSS property to change the color of the text to CIE LCh 18, 4.214, 39.172 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(50, 42, 40)` looks like.

```
.text, #text, p{  
    color:rgb(50, 42, 40)  
}
```

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(50, 42, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 42, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 4.214, 39.172 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(50, 42, 40) }
```

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

```
.border{ border-color:rgb(50, 42, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 42, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 42, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 42, 40);  
box-shadow:4px 4px 4px 4px rgb(50, 42, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 4.214, 39.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 42, 40) }
```

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

```
.background{ background-color: rgb(50, 42,  
40) }
```

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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