

Converting Colors

CIELCh(18, 7.264, 31.803)

Have a look what the booklet for
CIELCh(18, 7.264, 31.803) contains.

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Color

CIELCh(18, 7.232, 31.785)

Conversions

Conversions Part 1

Format	Color
Hex	372927
RGB	55, 41, 39
RGB Percent	22%, 16%, 15%
CMY	0.7854, 0.8402, 0.8480
CMYK	0.00, 0.26, 0.29, 0.79
HSL	8°, 17%, 18%
HSV	8°, 29%, 21%
XYZ	2.7073, 2.5180, 2.2412
YIQ	44.9580, 8.9860, 2.3460

Conversions

Conversions Part 2

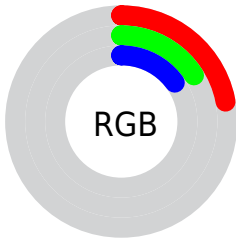
Format	Color
R _Y B	55, 41, 39
Decimal	3615015
CIE Lab	18.00, 6.15, 3.81
CIE LCh	18, 7.232, 31.785
Yxy	2.5180, 0.3626, 0.3372
Android (android.graphics.Color)	4281805095 (0xFF372927)
YUV	44.9580, -2.9373, 8.8068
Hunter-Lab	15.8683, 2.6845, 2.7339

Details

The CIELCh color **18, 7.232, 31.785** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 6.087, 211.261**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 7.167, 30.121**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 10.056, 32.262**, and if you desaturate by 10%, it is **20, 4.589, 31.455**.

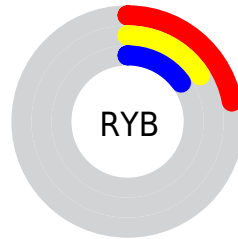
Distribution



Red (22%)

Green (16%)

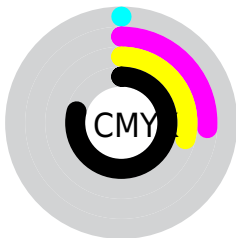
Blue (15%)



Red (22%)

Yellow (16%)

Blue (15%)

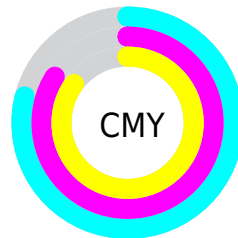


Cyan (0%)

Magenta (26%)

Yellow (29%)

Black (79%)



Cyan (79%)

Magenta (84%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 7.232, 31.785 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, 7.232, 31.785 by changing the saturation by 10% instead.

 18, 7.232, 31.785  18, 7.232, 31.785

 100, 7.232, 31.785  8, 7.232, 31.785

 38, 7.232, 31.785  0, 7.232, 31.785

 48, 7.232, 31.785

 58, 7.232, 31.785

 68, 7.232, 31.785

 78, 7.232, 31.785

 88, 7.232, 31.785

 98, 7.232, 31.785

 18, 7.232, 31.785  18, 7.232, 31.785

16, 10.056, 32.262

20, 4.589, 31.455

15, 13.062, 32.903

21, 2.123, 31.190

13, 16.238, 33.751

23, 0.179, 212.430

12, 19.314, 33.783

25, 2.328, 211.224

11, 21.984, 32.489

27, 4.339, 211.184

10, 24.316, 31.000

28, 6.226, 211.214

9, 26.503, 30.267

30, 8.001, 211.284

9, 26.682, 30.200

32, 9.675, 211.381

34, 11.261,
211.498

Harmonies

Complementary

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



18, 7.232, 31.785



21, 6.087, 211.261

Rectangle

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



18, 7.232, 31.785



18, 7.232, 81.785



18, 7.232, 211.785



18, 7.232, 261.785

Sweetspot

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



18, 7.231, 31.792



28, 2.596, 31.197



18, 12.163, 329.238



13, 1.771, 31.210



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 7.231, 31.792



23, 11.119, 32.133



20, 7.354, 83.698



9, 1.301, 31.167



18, 44.208, 38.428



47, 91.219, 41.440

Inverse Universe

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



21, 6.087, 211.261



27, 8.894, 211.393



18, 7.196, 270.669



10, 1.243, 211.247



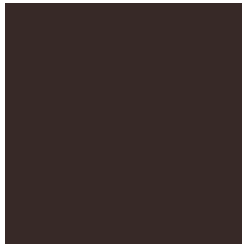
31, 20.924, 217.603



71, 39.188, 219.637

Previews

White Background



This preview shows how the CIELCh color 18, 7.232, 31.785 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, 7.232, 31.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

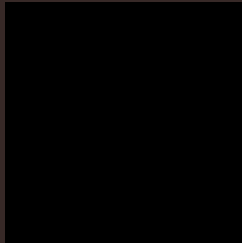
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 7.232, 31.785

Background



This preview shows how black text looks on a background with the CIELCh color 18, 7.232, 31.785.



This preview shows how white text looks on a background with the CIELCh color 18, 7.232, 31.785.

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, 7.232, 31.785

Protanopia

18, 2.915, 89.772

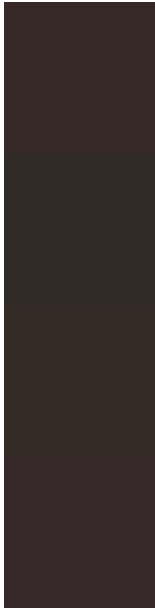
Deuteranopia

18, 5.323, 59.952



Tritanopia
18, 7.630, 5.659

Trichromacy



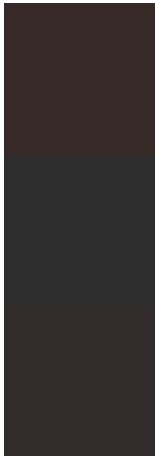
Original Color
18, 7.232, 31.785

Protanomaly
18, 3.623, 54.466

Deuteranomaly
18, 5.788, 48.522

Tritanomaly
18, 7.495, 15.948

Monochromacy



Original Color
18, 7.232, 31.785

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 2.913, 19.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 7.232, 31.785 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(55, 41, 39)` looks like.

```
.text, #text, p{  
    color:rgb(55, 41, 39)  
}
```

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(55, 41, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 41, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 7.232, 31.785 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(55, 41, 39) }
```

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

```
.border{ border-color:rgb(55, 41, 39) }
```

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

Here you see how a box with a 4 pixel rgb(55, 41, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 41, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 41, 39);  
box-shadow:4px 4px 4px 4px rgb(55, 41, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 7.232, 31.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 41, 39) }
```

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

```
.background{ background-color: rgb(55, 41,  
39) }
```

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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