

Converting Colors

CIELCh(18, 19.671, 24.651)

Have a look what the booklet for
CIELCh(18, 19.671, 24.651) contains.

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Color

CIELCh(18, 19.915, 24.664)

Conversions

Conversions Part 1

Format	Color
Hex	472121
RGB	71, 33, 33
RGB Percent	28%, 13%, 13%
CMY	0.7224, 0.8713, 0.8713
CMYK	0.00, 0.54, 0.54, 0.72
HSL	360°, 37%, 20%
HSV	360°, 54%, 28%
XYZ	3.3940, 2.5180, 1.7332
YIQ	44.3620, 22.6480, 8.0560

Conversions

Conversions Part 2

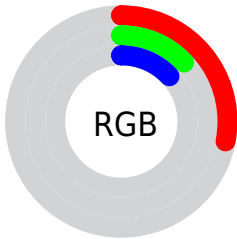
Format	Color
R_{YB}	71, 33, 33
Decimal	4661537
CIE _{Lab}	18.00, 18.10, 8.31
CIE _{LCh}	18, 19.915, 24.664
Yxy	2.5180, 0.4439, 0.3294
Android (android.graphics.Color)	4282851617 (0xFF472121)
YUV	44.3620, -5.6015, 23.3615
Hunter-Lab	15.8683, 10.4090, 4.6321

Details

The CIELCh color **18, 19.915, 24.664** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **27, 14.083, 197.224**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 20.211, 24.181**, and **2, 7.329, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 24.186, 26.629**, and if you desaturate by 10%, it is **20, 15.750, 23.113**.

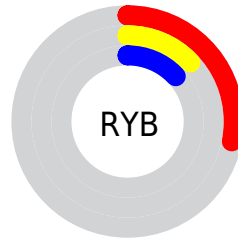
Distribution



Red (28%)

Green (13%)

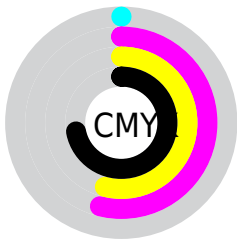
Blue (13%)



Red (28%)

Yellow (13%)

Blue (13%)

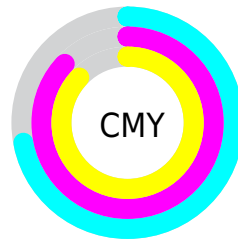


Cyan (0%)

Magenta (54%)

Yellow (54%)

Black (72%)



Cyan (72%)

Magenta (87%)

Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 19.915, 24.664 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, 19.915, 24.664 by changing the saturation by 10% instead.

 18, 19.915, 24.664

 18, 19.915, 24.664

 100, 19.915,
24.664

 8, 19.915, 24.664

 38, 19.915, 24.664

 0, 19.915, 24.664

 48, 19.915, 24.664

 58, 19.915, 24.664

 68, 19.915, 24.664

 78, 19.915, 24.664

 88, 19.915, 24.664

 98, 19.915, 24.664

■ 18, 19.915, 24.664

■ 18, 19.915, 24.664

■ 16, 24.186, 26.629

■ 20, 15.750, 23.113

■ 15, 28.395, 28.806

■ 22, 11.762, 21.888

■ 13, 31.855, 29.679

■ 24, 7.990, 20.917

■ 12, 34.703, 29.785

■ 27, 4.452, 20.132

■ 11, 36.596, 29.616

■ 29, 1.147, 19.357

■ 32, 1.935, 199.236

■ 34, 4.810, 198.761

■ 37, 7.497, 198.420

■ 39, 10.016,
198.146

Harmonies

Complementary

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



18, 19.915, 24.664



27, 14.083, 197.224

Rectangle

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



18, 19.915, 24.664



18, 19.915, 74.664



18, 19.915, 204.664



18, 19.915, 254.664

Sweetspot

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



18, 19.914, 24.667



34, 6.548, 20.352



19, 29.222, 326.440



16, 4.368, 20.413



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 19.914, 24.667



22, 30.345, 27.280



23, 16.255, 67.771



13, 1.799, 19.774



19, 49.398, 35.615



47, 95.750, 39.995

Inverse Universe

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



18, 19.914, 24.667



22, 30.345, 27.280



21, 13.938, 262.392



13, 1.799, 19.774



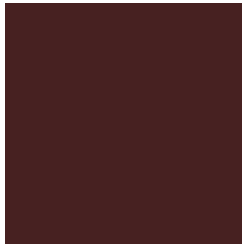
19, 49.398, 35.615



47, 95.750, 39.995

Previews

White Background



This preview shows how the CIELCh color 18, 19.915, 24.664 looks on a white background.

Color Contrast Check

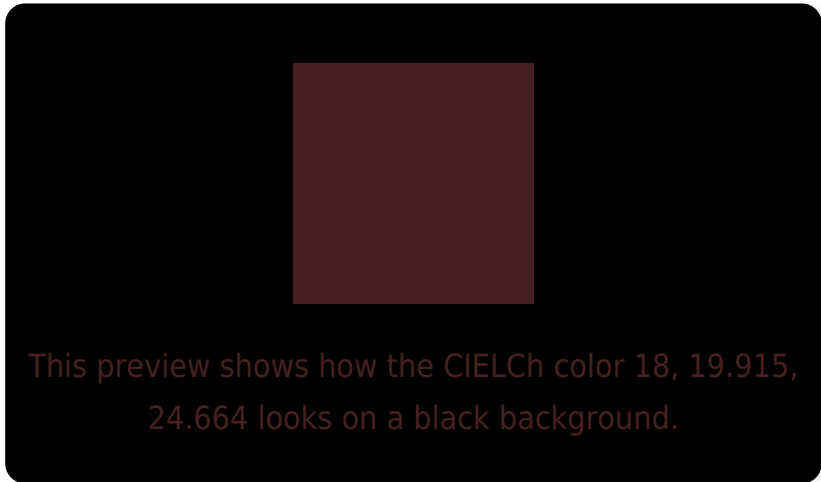
Large Text (above 18pt) WCAG AA ✓ Pass

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

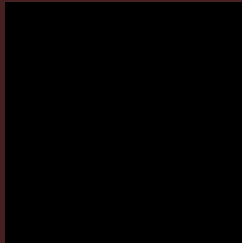
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 19.915, 24.664

Background



This preview shows how black text looks on a background with the CIELCh color 18, 19.915, 24.664.



This preview shows how white text looks on a background with the CIELCh color 18, 19.915, 24.664.

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, 19.915, 24.664

Protanopia

18, 4.893, 97.194

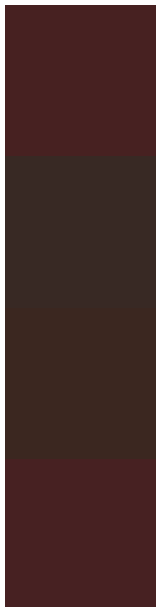
Deuteranopia

18, 9.850, 75.638



Tritanopia
18, 19.622, 20.831

Trichromacy



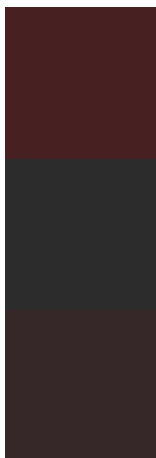
Original Color
18, 19.915, 24.664

Protanomaly
18, 8.544, 44.373

Deuteranomaly
18, 11.816, 45.206

Tritanomaly
18, 19.756, 22.763

Monochromacy



Original Color
18, 19.915, 24.664

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 7.011, 21.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 19.915, 24.664 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(71, 33, 33)` looks like.

```
.text, #text, p{  
    color:rgb(71, 33, 33)  
}
```

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(71, 33, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 33, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 19.915, 24.664 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(71, 33, 33) }
```

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

```
.border{ border-color:rgb(71, 33, 33) }
```

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

Here you see how a box with a 4 pixel rgb(71, 33, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 33, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 33, 33);  
box-shadow:4px 4px 4px 4px rgb(71, 33, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 19.915, 24.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 33, 33) }
```

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

```
.background{ background-color: rgb(71, 33,  
33) }
```

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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