

Converting Colors

CIELCh(18, 20.910, 10.406)

Have a look what the booklet for
CIELCh(18, 20.910, 10.406) contains.

CIELCh(18, 20.885, 10.765)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(18, 20.885, 10.765)

Conversions

Conversions Part 1

Format	Color
Hex	481F27
RGB	72, 31, 39
RGB Percent	28%, 12%, 15%
CMY	0.7170, 0.8779, 0.8465
CMYK	0.00, 0.57, 0.46, 0.72
HSL	348°, 40%, 20%
HSV	348°, 57%, 28%
XYZ	3.5458, 2.5180, 2.2300
YIQ	44.1710, 21.8680, 11.1800

Conversions

Conversions Part 2

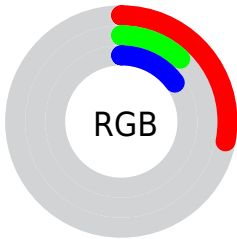
Format	Color
R_{YB}	72, 31, 39
Decimal	4726567
CIE Lab	18.00, 20.52, 3.90
CIE LCh	18, 20.885, 10.765
Yxy	2.5180, 0.4275, 0.3036
Android (android.graphics.Color)	4282916647 (0xFF481F27)
YUV	44.1710, -2.5493, 24.4060
Hunter-Lab	15.8683, 12.1168, 2.7758

Details

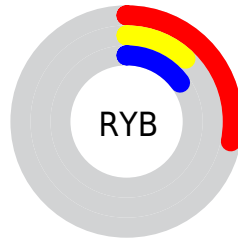
The CIELCh color **18, 20.885, 10.765** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 16.689, 178.611**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 20.832, 11.116**, and **2, 8.359, 16.640** is the 20% darker color. If you saturate the color by 10%, you get **16, 24.620, 13.033**, and if you desaturate by 10%, it is **20, 17.041, 8.926**.

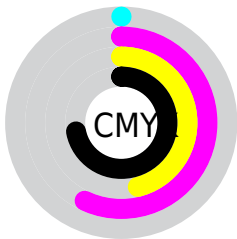
Distribution



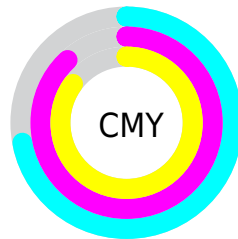
- Red (28%)
- Green (12%)
- Blue (15%)



- Red (28%)
- Yellow (12%)
- Blue (15%)



- Cyan (0%)
- Magenta (57%)
- Yellow (46%)
- Black (72%)



- Cyan (72%)
- Magenta (88%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 20.885, 10.765 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, 20.885, 10.765 by changing the saturation by 10% instead.

 18, 20.885, 10.765

 18, 20.885, 10.765

 100, 20.885,
10.765

 8, 20.885, 10.765

 38, 20.885, 10.765

 0, 20.885, 10.765

 48, 20.885, 10.765

 58, 20.885, 10.765

 68, 20.885, 10.765

 78, 20.885, 10.765

 88, 20.885, 10.765

 98, 20.885, 10.765

■ 18, 20.885, 10.765

■ 18, 20.885, 10.765

■ 16, 24.620, 13.033

■ 20, 17.041, 8.926

■ 15, 28.131, 15.832

■ 22, 13.198, 7.412

■ 14, 31.304, 19.234

■ 24, 9.430, 6.148

■ 12, 34.321, 21.375

■ 27, 5.787, 5.068

■ 12, 35.281, 21.613

■ 29, 2.297, 4.091

■ 31, 1.030, 183.646

■ 34, 4.193, 182.767

■ 36, 7.199, 182.121

■ 39, 10.057,
181.554

Harmonies

Complementary

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



18, 20.885, 10.765



28, 16.689, 178.611

Rectangle

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



18, 20.885, 10.765



18, 20.885, 60.765



18, 20.885, 190.765



18, 20.885, 240.765

Sweetspot

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



18, 20.884, 10.767



35, 7.309, 5.153



18, 30.363, 320.949



17, 4.940, 5.239



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 20.884, 10.767



22, 31.244, 14.045



21, 17.867, 49.042



13, 1.861, 4.262



19, 45.383, 26.192



48, 85.987, 30.616

Inverse Universe

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



18, 20.884, 10.767



22, 31.244, 14.045



24, 12.786, 238.215



13, 1.861, 4.262



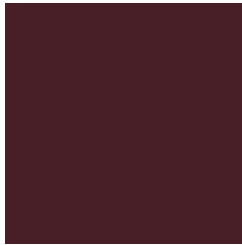
19, 45.383, 26.192



48, 85.987, 30.616

Previews

White Background



This preview shows how the CIELCh color 18, 20.885, 10.765 looks on a white background.

Color Contrast Check

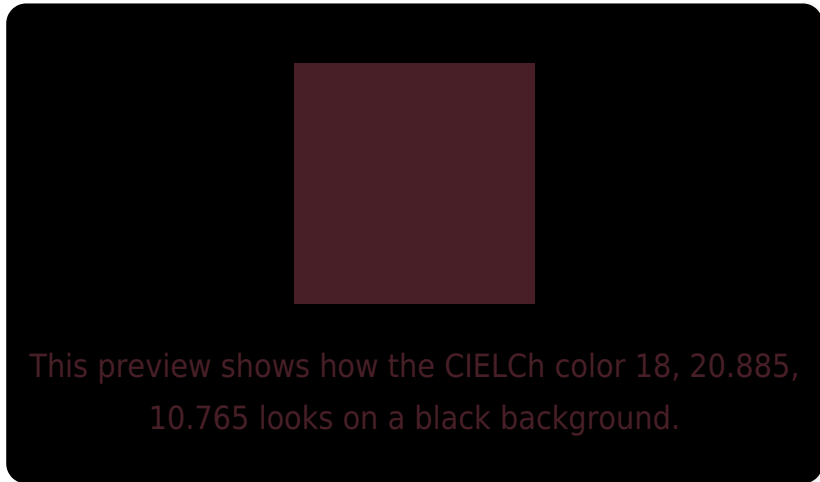
Large Text (above 18pt) WCAG AA ✓ Pass

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

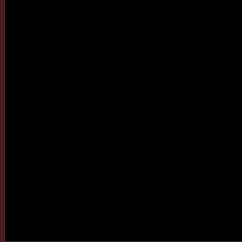
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 20.885, 10.765

Background



This preview shows how black text looks on a background with the CIELCh color 18, 20.885, 10.765.

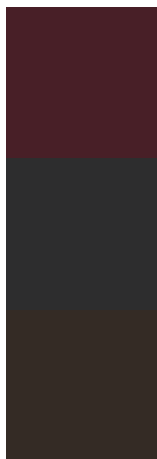


This preview shows how white text looks on a background with the CIELCh color 18, 20.885, 10.765.

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, 20.885, 10.765

Protanopia

19, 0.691, 290.383

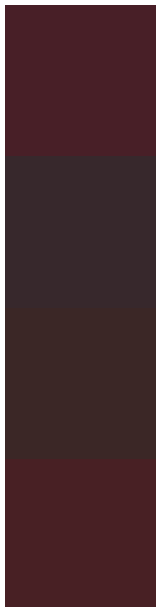
Deuteranopia

18, 6.196, 61.433



Tritanopia
18, 20.715, 21.432

Trichromacy



Original Color
18, 20.885, 10.765

Protanomaly
18, 7.792, 0.741

Deuteranomaly
18, 10.261, 25.573

Tritanomaly
18, 20.495, 17.711

Monochromacy



Original Color
18, 20.885, 10.765

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 7.658, 5.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 20.885, 10.765 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(72, 31, 39)` looks like.

```
.text, #text, p{  
    color:rgb(72, 31, 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(72, 31, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 31, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 20.885, 10.765 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(72, 31, 39) }
```

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

```
.border{ border-color:rgb(72, 31, 39) }
```

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

Here you see how a box with a 4 pixel rgb(72, 31, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 31, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 31, 39);  
box-shadow:4px 4px 4px 4px rgb(72, 31, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 20.885, 10.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 31, 39) }
```

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

```
.background{ background-color: rgb(72, 31,  
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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