

Converting Colors

CIELCh(20, 41.290, 18.571)

Have a look what the booklet for
CIELCh(20, 41.290, 18.571) contains.

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Color

CIELCh(20, 41.365, 18.870)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 64091F |
| RGB | 100, 9, 31 |
| RGB Percent | 39%, 4%, 12% |
| CMY | 0.6085, 0.9655, 0.8789 |
| CMYK | 0.00, 0.91, 0.69, 0.61 |
| HSL | 345°, 84%, 21% |
| HSV | 345°, 91%, 39% |
| XYZ | 5.5788, 2.9891, 1.5711 |
| YIQ | 38.7170, 47.1740, 26.1340 |

Conversions

Conversions Part 2

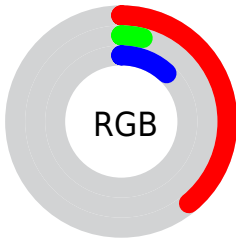
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 100, 9, 31 |
| Decimal | 6555935 |
| CIE Lab | 20.00, 39.14, 13.38 |
| CIE LCh | 20, 41.365, 18.870 |
| Yxy | 2.9891, 0.5502, 0.2948 |
| Android (android.graphics.Color) | 4284746015 (0xFF64091F) |
| YUV | 38.7170, -3.8045, 53.7452 |
| Hunter-Lab | 17.2889, 27.3433, 6.7143 |

Details

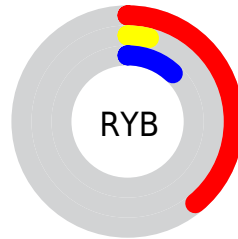
The CIELCh color **20, 41.365, 18.870** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 30.872, 169.420**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 41.442, 18.237**, and **6, 25.787, 19.397** is the 20% darker color. If you saturate the color by 10%, you get **19, 44.395, 22.406**, and if you desaturate by 10%, it is **21, 37.976, 14.752**.

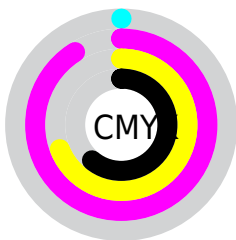
Distribution



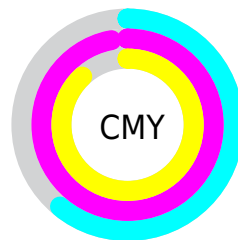
- Red (39%)
- Green (4%)
- Blue (12%)



- Red (39%)
- Yellow (4%)
- Blue (12%)



- Cyan (0%)
- Magenta (91%)
- Yellow (69%)
- Black (61%)



- Cyan (61%)
- Magenta (97%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 41.365, 18.870 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 20, 41.365, 18.870 by changing the saturation by 10% instead.

 20, 41.365, 18.870

 20, 41.365, 18.870

 100, 41.365,
18.870

 10, 41.365, 18.870

 0, 41.365, 18.870

 40, 41.365, 18.870

 50, 41.365, 18.870

 60, 41.365, 18.870

 70, 41.365, 18.870

 80, 41.365, 18.870

 90, 41.365, 18.870

 20, 41.365, 18.870

 20, 41.365, 18.870

19, 44.395, 22.406

21, 37.976, 14.752

23, 33.986, 11.386

25, 29.489, 8.685

27, 24.659, 6.515

30, 19.675, 4.753

33, 14.685, 3.297

36, 9.794, 2.069

39, 5.065, 1.000

42, 0.532, 359.594

Harmonies

Complementary

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



20, 41.365, 18.870



37, 30.872, 169.420

Rectangle

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



20, 41.365, 18.870



20, 41.365, 68.870



20, 41.365, 198.870



20, 41.365, 248.870

Sweetspot

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



20, 41.363, 18.872



44, 15.700, 2.857



19, 56.538, 319.622



21, 10.706, 3.155



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



20, 41.363, 18.872



26, 54.201, 24.243



23, 41.998, 44.987



19, 2.572, 0.771



23, 49.289, 23.428



51, 87.708, 27.135

Inverse Universe

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



20, 41.363, 18.872



26, 54.201, 24.243



30, 21.696, 240.281



19, 2.572, 0.771



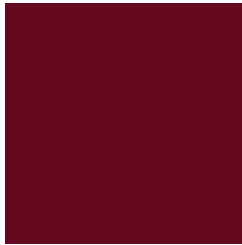
23, 49.289, 23.428



51, 87.708, 27.135

Previews

White Background



This preview shows how the CIELCh color 20, 41.365, 18.870 looks on a white background.

Color Contrast Check

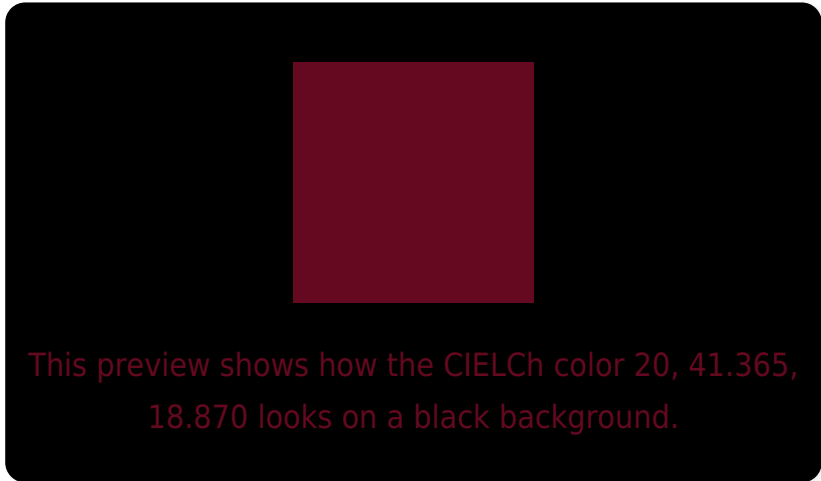
Large Text (above 18pt) WCAG AA ✓ Pass

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

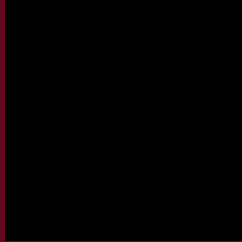
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 41.365, 18.870

Background



This preview shows how black text looks on a background with the CIELCh color 20, 41.365, 18.870.



This preview shows how white text looks on a background with the CIELCh color 20, 41.365, 18.870.

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

20, 41.365, 18.870

Protanopia

21, 4.281, 89.341

Deuteranopia

21, 17.231, 80.459



Tritanopia
20, 44.088, 34.527

Trichromacy



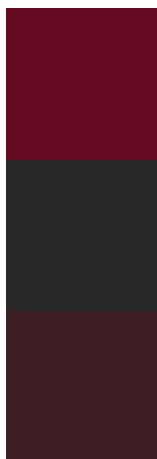
Original Color
20, 41.365, 18.870

Protanomaly
19, 17.746, 15.448

Deuteranomaly
19, 23.338, 34.574

Tritanomaly
20, 42.644, 29.278

Monochromacy



Original Color
20, 41.365, 18.870

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 17.295, 6.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 41.365, 18.870 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(100, 9, 31)` looks like.

```
.text, #text, p{  
    color:rgb(100, 9, 31)  
}
```

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(100, 9, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 9, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 41.365, 18.870 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(100, 9, 31) }
```

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

```
.border{ border-color:rgb(100, 9, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 9, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 9, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 9, 31);  
box-shadow:4px 4px 4px 4px rgb(100, 9, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 41.365, 18.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 9, 31) }
```

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

```
.background{ background-color: rgb(100, 9,  
31) }
```

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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