

Converting Colors

CIELCh(20, 41.316, 13.788)

Have a look what the booklet for
CIELCh(20, 41.316, 13.788) contains.

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Color

CIELCh(20, 41.144, 13.717)

Conversions

Conversions Part 1

Format	Color
Hex	640724
RGB	100, 7, 36
RGB Percent	39%, 3%, 14%
CMY	0.6078, 0.9725, 0.8588
CMYK	0.00, 0.93, 0.64, 0.61
HSL	341°, 87%, 21%
HSV	341°, 93%, 39%
XYZ	5.6505, 2.9891, 1.9485
YIQ	38.1130, 46.1190, 28.7350

Conversions

Conversions Part 2

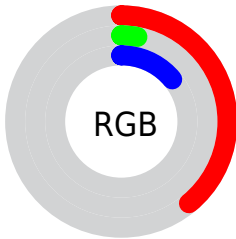
Format	Color
RYB	100, 7, 36
Decimal	6555428
CIELab	20.00, 39.97, 9.76
CIELCh	20, 41.144, 13.717
Yxy	2.9891, 0.5337, 0.2823
Android (android.graphics.Color)	4284745508 (0xFF640724)
YUV	38.1130, -1.0417, 54.2749
Hunter-Lab	17.2889, 28.0834, 5.4202

Details

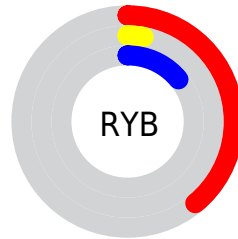
The CIELCh color **20, 41.144, 13.717** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 33.795, 163.520**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 41.076, 14.100**, and **6, 26.393, 19.761** is the 20% darker color. If you saturate the color by 10%, you get **19, 43.224, 16.420**, and if you desaturate by 10%, it is **21, 38.294, 9.730**.

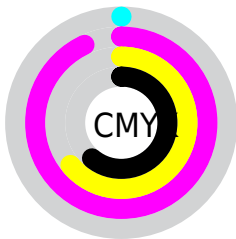
Distribution



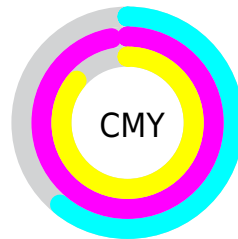
- Red (39%)
- Green (3%)
- Blue (14%)



- Red (39%)
- Yellow (3%)
- Blue (14%)



- Cyan (0%)
- Magenta (93%)
- Yellow (64%)
- Black (61%)




- Cyan (61%)
- Magenta (97%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 41.144, 13.717 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, 41.144, 13.717 by changing the saturation by 10% instead.

 20, 41.144, 13.717


 20, 41.144, 13.717

 100, 41.144,
13.717

 10, 41.144, 13.717

 0, 41.144, 13.717

 40, 41.144, 13.717

 50, 41.144, 13.717

 60, 41.144, 13.717

 70, 41.144, 13.717

 80, 41.144, 13.717

 90, 41.144, 13.717

 20, 41.144, 13.717

 20, 41.144, 13.717

■ 19, 43.224, 16.420

■ 21, 38.294, 9.730

■ 23, 34.752, 6.458

■ 25, 30.559, 3.838

■ 27, 25.900, 1.729

■ 30, 20.976, 0.005

■ 32, 15.956,
358.568

■ 35, 10.967,
357.346

■ 38, 6.091, 356.278

■ 41, 1.375, 355.199

Harmonies

Complementary

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



20, 41.144, 13.717



37, 33.795, 163.520

Rectangle

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



20, 41.144, 13.717



20, 41.144, 63.717



20, 41.144, 193.717



20, 41.144, 243.717

Sweetspot

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



20, 41.142, 13.719



44, 16.722, 358.037



17, 57.628, 317.514



21, 11.682, 358.439



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, 41.142, 13.719



26, 52.479, 18.208



22, 44.110, 41.290



19, 2.657, 355.871



23, 47.816, 17.406



51, 84.346, 21.110

Inverse Universe

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



20, 41.142, 13.719



26, 52.479, 18.208



32, 21.384, 227.883



19, 2.657, 355.871



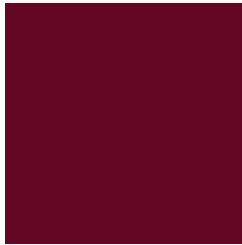
23, 47.816, 17.406



51, 84.346, 21.110

Previews

White Background



This preview shows how the CIELCh color 20, 41.144, 13.717 looks on a white background.

Color Contrast Check

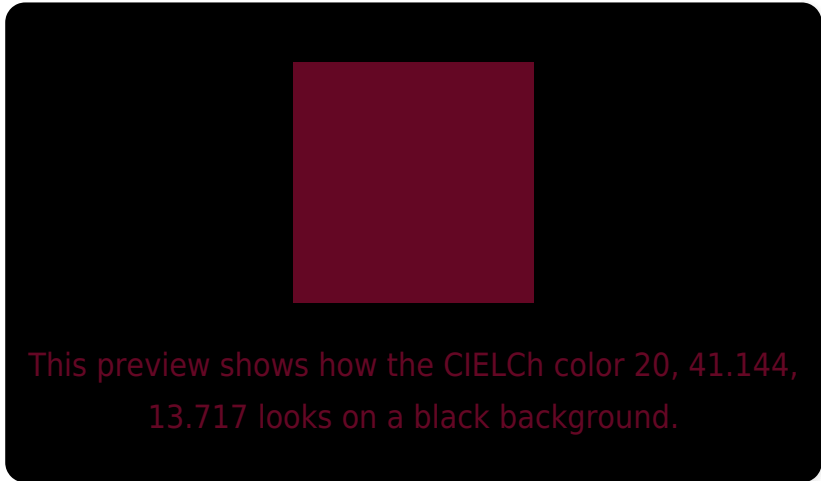
Large Text (above 18pt) WCAG AA ✓ Pass

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

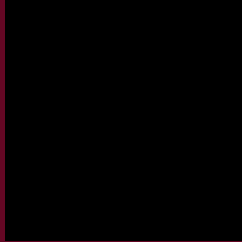
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 41.144, 13.717

Background



This preview shows how black text looks on a background with the CIELCh color 20, 41.144, 13.717.



This preview shows how white text looks on a background with the CIELCh color 20, 41.144, 13.717.

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, 41.144, 13.717

Protanopia

21, 0.825, 324.409

Deuteranopia

21, 13.423, 76.724



Tritanopia
20, 43.395, 33.787

Trichromacy



Original Color
20, 41.144, 13.717

Protanomaly
19, 17.770, 359.761

Deuteranomaly
19, 22.084, 26.759

Tritanomaly
20, 41.840, 26.829

Monochromacy



Original Color
20, 41.144, 13.717

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 17.998, 2.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 41.144, 13.717 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, 7, 36)` looks like.

```
.text, #text, p{  
    color:rgb(100, 7, 36)  
}
```

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, 7, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 7, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 41.144, 13.717 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, 7, 36) }
```

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

```
.border{ border-color:rgb(100, 7, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 7, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 7, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 7, 36);  
box-shadow:4px 4px 4px 4px rgb(100, 7, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 41.144, 13.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 7, 36) }
```

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

```
.background{ background-color: rgb(100, 7,  
36) }
```

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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