

Converting Colors

CIELCh(17, 51.639, 0.611)

Have a look what the booklet for
CIELCh(17, 51.639, 0.611) contains.

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Color

CIELCh(20, 43.079, 6.529)

Conversions

Conversions Part 1

Format	Color
Hex	66002B
RGB	102, 0, 43
RGB Percent	40%, 0%, 17%
CMY	0.6004, 1.0000, 0.8317
CMYK	0.00, 1.00, 0.58, 0.60
HSL	335°, 100%, 20%
HSV	335°, 100%, 40%
XYZ	5.8998, 2.9891, 2.5432
YIQ	35.4000, 46.9890, 34.9970

Conversions

Conversions Part 2

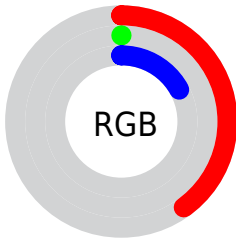
Format	Color
RYB	102, 0, 43
Decimal	6684715
CIELab	20.00, 42.80, 4.90
CIElCh	20, 43.079, 6.529
Yxy	2.9891, 0.5161, 0.2615
Android (android.graphics.Color)	4284874795 (0xFF66002B)
YUV	35.4000, 3.7468, 58.4082
Hunter-Lab	17.2889, 30.6577, 3.3805

Details

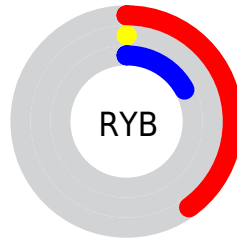
The CIELCh color **20, 43.079, 6.529** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 40.596, 154.881**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 43.101, 6.705**, and **7, 27.542, 20.544** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.046, 6.557**, and if you desaturate by 10%, it is **21, 40.831, 3.123**.

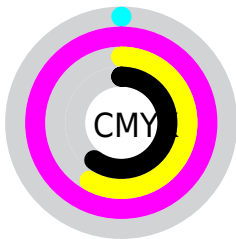
Distribution



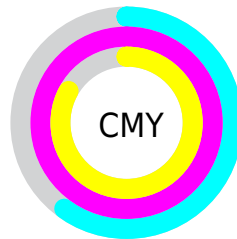
- Red (40%)
- Green (0%)
- Blue (17%)



- Red (40%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (60%)




- Cyan (60%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 43.079, 6.529 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, 43.079, 6.529 by changing the saturation by 10% instead.

 20, 43.079, 6.529  20, 43.079, 6.529

 100, 43.079, 6.529  10, 43.079, 6.529

 40, 43.079, 6.529  0, 43.079, 6.529

 50, 43.079, 6.529

 60, 43.079, 6.529

 70, 43.079, 6.529

 80, 43.079, 6.529

 90, 43.079, 6.529

 20, 43.079, 6.529  20, 43.079, 6.529

 20, 43.046, 6.557  21, 40.831, 3.123

■ 22, 38.309,
359.909

■ 24, 34.845,
357.340

■ 26, 30.607,
355.270

■ 29, 25.824,
353.573

■ 31, 20.717,
352.153

■ 34, 15.471,
350.937

■ 37, 10.217,
349.874

■ 40, 5.043, 348.914

Harmonies

Complementary

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



20, 43.079, 6.529



37, 40.596, 154.881

Rectangle

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



20, 43.079, 6.529



20, 43.079, 56.529



20, 43.079, 186.529



20, 43.079, 236.529

Sweetspot

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



20, 43.046, 6.557



44, 19.221, 351.036



15, 62.409, 314.142



20, 13.030, 351.379



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, 43.046, 6.557



27, 51.971, 8.090



20, 49.473, 37.781



19, 2.830, 348.813



23, 46.830, 7.287



52, 81.433, 10.569

Inverse Universe

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



20, 43.046, 6.557



27, 51.971, 8.090



36, 23.556, 207.054



19, 2.830, 348.813



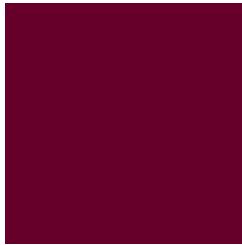
23, 46.830, 7.287



52, 81.433, 10.569

Previews

White Background



This preview shows how the CIELCh color 20, 43.079, 6.529 looks on a white background.

Color Contrast Check

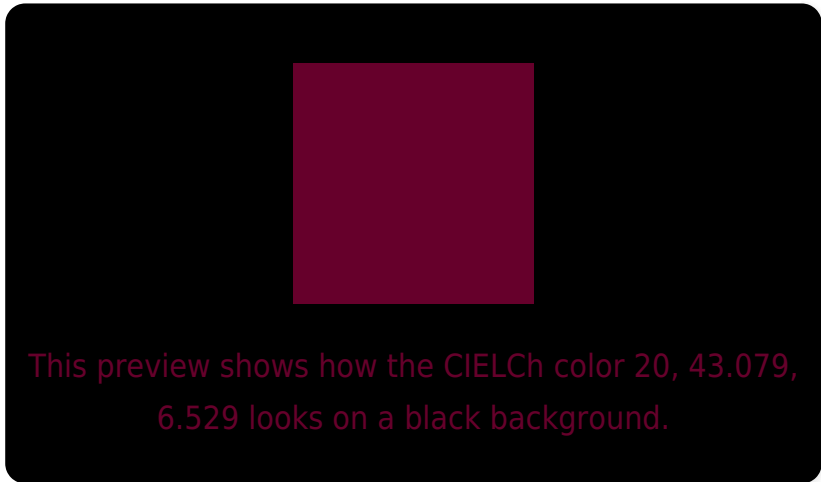
Large Text (above 18pt) WCAG AA ✓ Pass

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

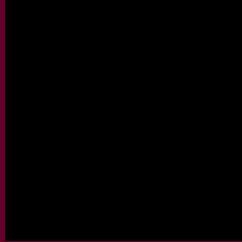
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 43.079, 6.529

Background



This preview shows how black text looks on a background with the CIELCh color 20, 43.079, 6.529.



This preview shows how white text looks on a background with the CIELCh color 20, 43.079, 6.529.

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, 43.079, 6.529

Protanopia

22, 6.761, 284.422

Deuteranopia

22, 9.665, 69.133



Tritanopia
21, 43.826, 33.753

Trichromacy



Original Color
20, 43.079, 6.529

Protanomaly
18, 21.635, 342.199

Deuteranomaly
19, 22.702, 12.533

Tritanomaly
20, 42.356, 24.114

Monochromacy



Original Color
20, 43.079, 6.529

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 20.490, 354.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 43.079, 6.529 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(102, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 43)  
}
```

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(102, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 43.079, 6.529 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(102, 0, 43) }
```

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

```
.border{ border-color:rgb(102, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(102, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(102, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 43.079, 6.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 43) }
```

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

```
.background{ background-color: rgb(102, 0,  
43) }
```

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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