

Converting Colors

CIELCh(20, 43.381, 0.398)

Have a look what the booklet for
CIELCh(20, 43.381, 0.398) contains.

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Color

CIELCh(20, 43.052, 0.712)

Conversions

Conversions Part 1

Format	Color
Hex	650031
RGB	101, 0, 49
RGB Percent	40%, 0%, 19%
CMY	0.6039, 0.9999, 0.8078
CMYK	0.00, 1.00, 0.51, 0.60
HSL	331°, 100%, 20%
HSV	331°, 100%, 40%
XYZ	5.9221, 2.9891, 3.1711
YIQ	35.7850, 44.4670, 36.6510

Conversions

Conversions Part 2

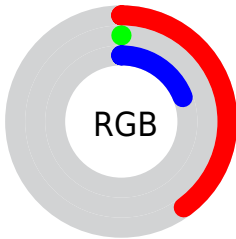
Format	Color
R_{YB}	101, 0, 49
Decimal	6619185
CIE Lab	20.00, 43.05, 0.53
CIE LCh	20, 43.052, 0.712
Yxy	2.9891, 0.4901, 0.2474
Android (android.graphics.Color)	4284809265 (0xFF650031)
YUV	35.7850, 6.5150, 57.1936
Hunter-Lab	17.2889, 30.8878, 1.2272

Details

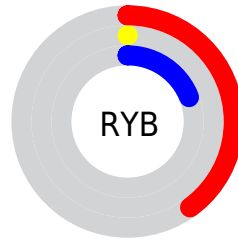
The CIELCh color **20, 43.052, 0.712** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 43.169, 151.344**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 42.909, 0.544**, and **7, 27.542, 20.544** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.053, 0.718**, and if you desaturate by 10%, it is **21, 41.098, 357.749**.

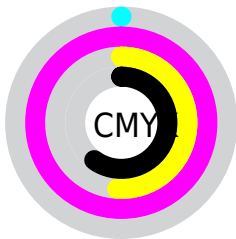
Distribution



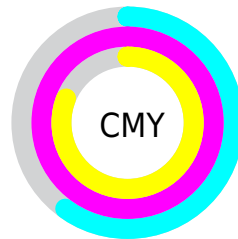
- Red (40%)
- Green (0%)
- Blue (19%)



- Red (40%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (60%)



- Cyan (60%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 43.052, 0.712 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, 43.052, 0.712 by changing the saturation by 10% instead.

 20, 43.052, 0.712

 20, 43.052, 0.712

 100, 43.052, 0.712

 10, 43.052, 0.712

 40, 43.052, 0.712

 0, 43.052, 0.712

 50, 43.052, 0.712

 60, 43.052, 0.712

 70, 43.052, 0.712

 80, 43.052, 0.712

 90, 43.052, 0.712

 20, 43.052, 0.712

 20, 43.052, 0.712

 20, 43.053, 0.718

 21, 41.098,

357.749

■ 22, 38.770,
354.986

■ 24, 35.418,
352.769

■ 26, 31.224,
350.964

■ 28, 26.428,
349.466

■ 31, 21.263,
348.192

■ 34, 15.919,
347.085

■ 37, 10.536,
346.102

■ 40, 5.208, 345.205

Harmonies

Complementary

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



20, 43.052, 0.712



37, 43.169, 151.344

Rectangle

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



20, 43.052, 0.712



20, 43.052, 50.712



20, 43.052, 180.712



20, 43.052, 230.712

Sweetspot

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



20, 43.050, 0.713



43, 19.612, 347.174



13, 62.854, 312.544



21, 13.499, 347.495



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, 43.050, 0.713



27, 51.423, 2.006



19, 50.068, 35.829



20, 2.949, 345.113



23, 47.057, 1.399



52, 81.287, 4.265

Inverse Universe

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



20, 43.050, 0.713



27, 51.423, 2.006



38, 25.396, 196.386



20, 2.949, 345.113



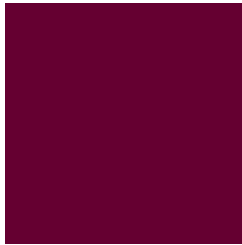
23, 47.057, 1.399



52, 81.287, 4.265

Previews

White Background



This preview shows how the CIELCh color 20, 43.052, 0.712 looks on a white background.

Color Contrast Check

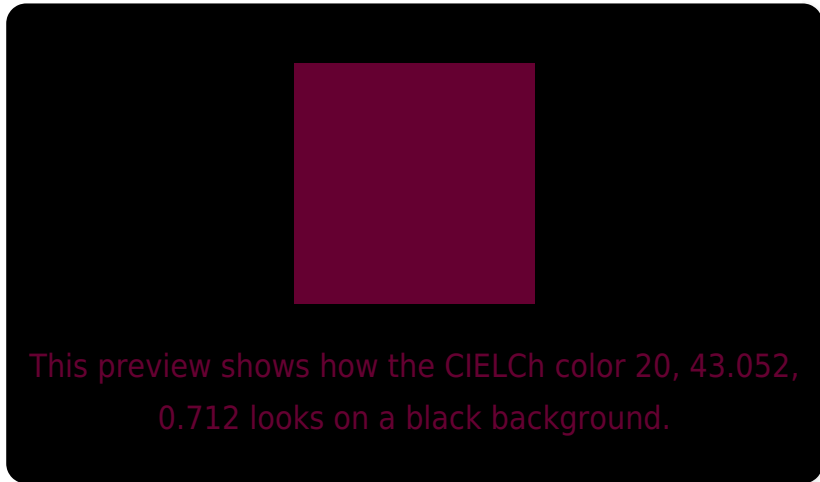
Large Text (above 18pt) WCAG AA ✓ Pass

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

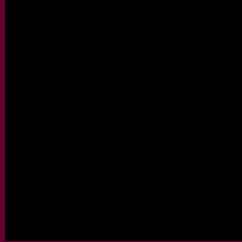
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 43.052, 0.712

Background



This preview shows how black text looks on a background with the CIELCh color 20, 43.052, 0.712.



This preview shows how white text looks on a background with the CIELCh color 20, 43.052, 0.712.

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, 43.052, 0.712

Protanopia

22, 12.853, 284.184

Deuteranopia

22, 5.985, 54.016



Tritanopia
21, 42.090, 32.434

Trichromacy



Original Color
20, 43.052, 0.712

Protanomaly
19, 24.624, 330.471

Deuteranomaly
19, 22.144, 1.118

Tritanomaly
20, 40.931, 20.598

Monochromacy



Original Color
20, 43.052, 0.712

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 20.965, 350.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 43.052, 0.712 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(101, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 49)  
}
```

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(101, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 43.052, 0.712 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(101, 0, 49) }
```

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

```
.border{ border-color:rgb(101, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(101, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(101, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 43.052, 0.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 49) }
```

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

```
.background{ background-color: rgb(101, 0,  
49) }
```

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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