

Converting Colors

CIELCh(20, 41.718, 23.349)

Have a look what the booklet for
CIELCh(20, 41.718, 23.349) contains.

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Color

CIELCh(20, 41.527, 23.630)

Conversions

Conversions Part 1

Format	Color
Hex	630B1A
RGB	99, 11, 26
RGB Percent	39%, 4%, 10%
CMY	0.6108, 0.9556, 0.8973
CMYK	0.00, 0.89, 0.74, 0.61
HSL	350°, 80%, 22%
HSV	350°, 89%, 39%
XYZ	5.4849, 2.9891, 1.2756
YIQ	39.0220, 47.6330, 23.3210

Conversions

Conversions Part 2

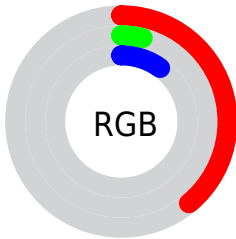
Format	Color
R_{YB}	99, 11, 26
Decimal	6490906
CIE Lab	20.00, 38.05, 16.65
CIE LCh	20, 41.527, 23.630
Yxy	2.9891, 0.5626, 0.3066
Android (android.graphics.Color)	4284680986 (0xFF630B1A)
YUV	39.0220, -6.4198, 52.6007
Hunter-Lab	17.2889, 26.3735, 7.7277

Details

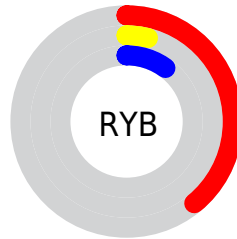
The CIELCh color **20, 41.527, 23.630** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **37, 27.958, 176.735**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 41.405, 23.536**, and **6, 25.161, 19.052** is the 20% darker color. If you saturate the color by 10%, you get **19, 45.383, 27.562**, and if you desaturate by 10%, it is **21, 37.487, 19.639**.

Distribution



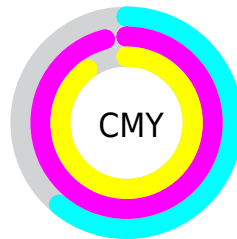
- Red (39%)
- Green (4%)
- Blue (10%)



- Red (39%)
- Yellow (4%)
- Blue (10%)



- Cyan (0%)
- Magenta (89%)
- Yellow (74%)
- Black (61%)



- Cyan (61%)
- Magenta (96%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 41.527, 23.630 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, 41.527, 23.630 by changing the saturation by 10% instead.

 20, 41.527, 23.630

 20, 41.527, 23.630

 100, 41.527,
23.630

 10, 41.527, 23.630

 40, 41.527, 23.630

 0, 41.527, 23.630

 50, 41.527, 23.630

 60, 41.527, 23.630

 70, 41.527, 23.630

 80, 41.527, 23.630

 90, 41.527, 23.630

 20, 41.527, 23.630

 20, 41.527, 23.630

19, 45.383, 27.562

21, 37.487, 19.639

19, 45.922, 27.945

23, 32.980, 16.354

25, 28.131, 13.713

28, 23.101, 11.596

30, 18.048, 9.888

33, 13.090, 8.488

36, 8.305, 7.319

39, 3.736, 6.299

43, 0.599, 186.068

Harmonies

Complementary

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



20, 41.527, 23.630



37, 27.958, 176.735

Rectangle

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



20, 41.527, 23.630



20, 41.527, 73.630



20, 41.527, 203.630



20, 41.527, 253.630

Sweetspot

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



20, 41.525, 23.632



44, 15.416, 8.392



20, 55.194, 321.831



21, 10.525, 8.690



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, 41.525, 23.632



26, 56.657, 29.988



24, 39.431, 49.615



18, 2.396, 6.326



22, 50.556, 29.061



50, 91.353, 32.611

Inverse Universe

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



20, 41.525, 23.632



26, 56.657, 29.988



28, 22.647, 251.347



18, 2.396, 6.326



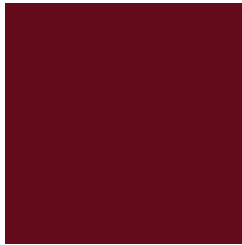
22, 50.556, 29.061



50, 91.353, 32.611

Previews

White Background



This preview shows how the CIELCh color 20, 41.527, 23.630 looks on a white background.

Color Contrast Check

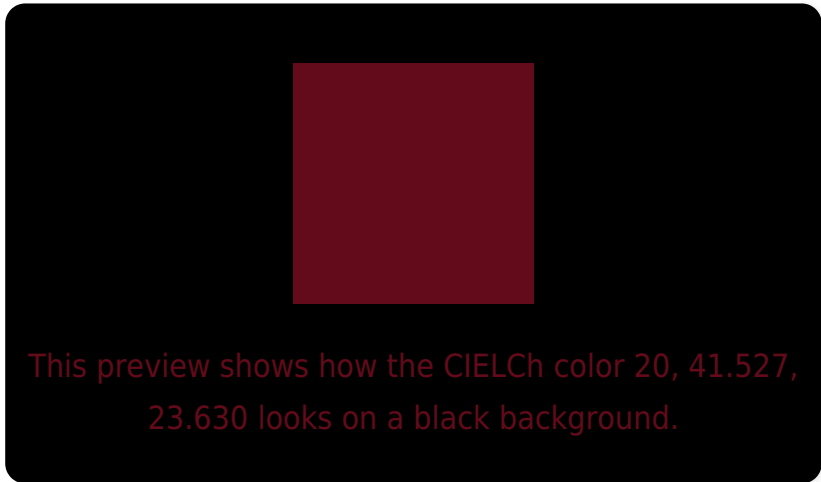
Large Text (above 18pt) WCAG AA ✓ Pass

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

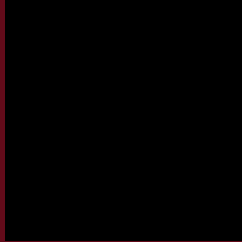
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 41.527, 23.630

Background



This preview shows how black text looks on a background with the CIELCh color 20, 41.527, 23.630.



This preview shows how white text looks on a background with the CIELCh color 20, 41.527, 23.630.

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, 41.527, 23.630

Protanopia

21, 8.942, 95.052

Deuteranopia

21, 20.142, 83.312



Tritanopia
20, 44.088, 34.527

Trichromacy



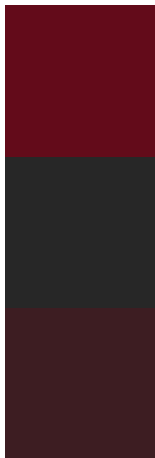
Original Color
20, 41.527, 23.630

Protanomaly
19, 18.101, 29.966

Deuteranomaly
19, 24.746, 42.757

Tritanomaly
20, 42.997, 31.106

Monochromacy



Original Color
20, 41.527, 23.630

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 16.651, 12.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 41.527, 23.630 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(99, 11, 26)` looks like.

```
.text, #text, p{  
    color:rgb(99, 11, 26)  
}
```

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(99, 11, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 11, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 41.527, 23.630 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(99, 11, 26) }
```

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

```
.border{ border-color:rgb(99, 11, 26) }
```

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

Here you see how a box with a 4 pixel rgb(99, 11, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 11, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 11, 26);  
box-shadow:4px 4px 4px 4px rgb(99, 11, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 41.527, 23.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 11, 26) }
```

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

```
.background{ background-color: rgb(99, 11,  
26) }
```

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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