

Converting Colors

CIELCh(20, 33.809, 1.460)

Have a look what the booklet for
CIELCh(20, 33.809, 1.460) contains.

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Color

CIELCh(20, 33.888, 1.503)

Conversions

Conversions Part 1

Format	Color
Hex	5B1530
RGB	91, 21, 48
RGB Percent	36%, 8%, 19%
CMY	0.6425, 0.9170, 0.8112
CMYK	0.00, 0.77, 0.47, 0.64
HSL	337°, 62%, 22%
HSV	337°, 77%, 36%
XYZ	5.1375, 2.9891, 3.1167
YIQ	45.0080, 33.0530, 23.2370

Conversions

Conversions Part 2

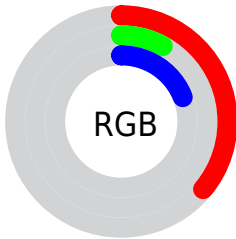
Format	Color
RYB	91, 21, 48
Decimal	5969200
CIELab	20.00, 33.88, 0.89
CIElCh	20, 33.888, 1.503
Yxy	2.9891, 0.4569, 0.2659
Android (android.graphics.Color)	4284159280 (0xFF5B1530)
YUV	45.0080, 1.4751, 40.3350
Hunter-Lab	17.2889, 22.7866, 1.4137

Details

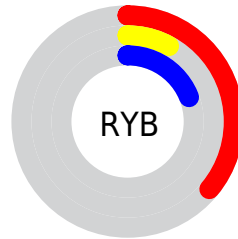
The CIELCh color **20, 33.888, 1.503** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 30.049, 161.533**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 33.993, 0.888**, and **5, 23.155, 18.135** is the 20% darker color. If you saturate the color by 10%, you get **19, 36.682, 4.584**, and if you desaturate by 10%, it is **22, 30.345, 359.034**.

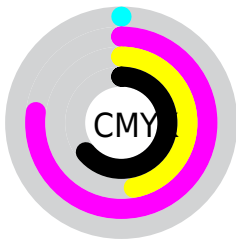
Distribution



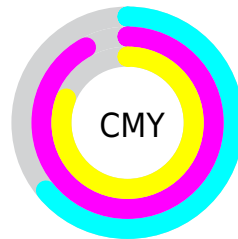
- Red (36%)
- Green (8%)
- Blue (19%)



- Red (36%)
- Yellow (8%)
- Blue (19%)



- Cyan (0%)
- Magenta (77%)
- Yellow (47%)
- Black (64%)



- Cyan (64%)
- Magenta (92%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 33.888, 1.503 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, 33.888, 1.503 by changing the saturation by 10% instead.

 20, 33.888, 1.503

 20, 33.888, 1.503

 100, 33.888, 1.503

 10, 33.888, 1.503

 40, 33.888, 1.503

 0, 33.888, 1.503

 50, 33.888, 1.503

 60, 33.888, 1.503

 70, 33.888, 1.503

 80, 33.888, 1.503

 90, 33.888, 1.503

 20, 33.888, 1.503

 20, 33.888, 1.503

 19, 36.682, 4.584

 22, 30.345,

18, 39.032, 8.038

359.034

17, 39.870, 9.066

24, 26.231,
357.035

26, 21.743,
355.388

29, 17.060,
354.004

31, 12.322,
352.816

34, 7.627, 351.773

37, 3.037, 350.812

40, 1.413, 170.259

43, 5.705, 169.386

Harmonies

Complementary

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



20, 33.888, 1.503



34, 30.049, 161.533

Rectangle

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



20, 33.888, 1.503



20, 33.888, 51.503



20, 33.888, 181.503



20, 33.888, 231.503

Sweetspot

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



20, 33.886, 1.504



41, 12.982, 352.482



17, 47.387, 315.278



19, 8.918, 352.738



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



20, 33.886, 1.504



24, 45.786, 7.593



21, 34.894, 35.472



17, 2.532, 351.010



22, 45.450, 10.349



50, 80.702, 14.036

Inverse Universe

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



20, 33.886, 1.504



24, 45.786, 7.593



32, 19.365, 210.319



17, 2.532, 351.010



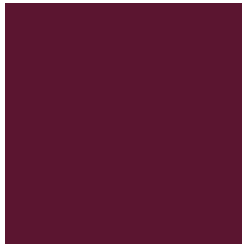
22, 45.450, 10.349



50, 80.702, 14.036

Previews

White Background



This preview shows how the CIELCh color 20, 33.888, 1.503 looks on a white background.

Color Contrast Check

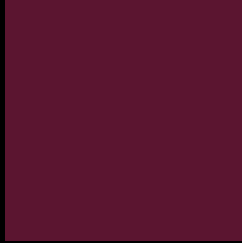
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 20, 33.888, 1.503 looks on a 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, 33.888, 1.503

Background



This preview shows how black text looks on a background with the CIELCh color 20, 33.888, 1.503.



This preview shows how white text looks on a background with the CIELCh color 20, 33.888, 1.503.

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, 33.888, 1.503

Protanopia

21, 9.568, 282.418

Deuteranopia

21, 4.859, 44.666



Tritanopia
20, 32.729, 27.718

Trichromacy



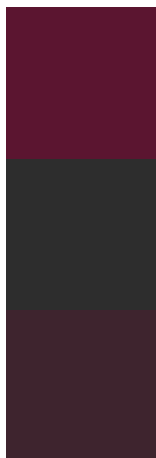
Original Color
20, 33.888, 1.503

Protanomaly
19, 15.666, 331.846

Deuteranomaly
19, 15.874, 3.836

Tritanomaly
20, 32.114, 18.339

Monochromacy



Original Color
20, 33.888, 1.503

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 14.130, 354.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 33.888, 1.503 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(91, 21, 48)` looks like.

```
.text, #text, p{  
    color:rgb(91, 21, 48)  
}
```

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(91, 21, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 21, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 33.888, 1.503 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(91, 21, 48) }
```

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

```
.border{ border-color:rgb(91, 21, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 21, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 21, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 21, 48);  
box-shadow:4px 4px 4px 4px rgb(91, 21, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 33.888, 1.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 21, 48) }
```

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

```
.background{ background-color: rgb(91, 21,  
48) }
```

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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