

Converting Colors

CIELCh(20, 42.426, 2.892)

Have a look what the booklet for
CIELCh(20, 42.426, 2.892) contains.

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Color

CIELCh(20, 42.418, 2.853)

Conversions

Conversions Part 1

Format	Color
Hex	65022F
RGB	101, 2, 47
RGB Percent	40%, 1%, 18%
CMY	0.6050, 0.9936, 0.8166
CMYK	0.00, 0.98, 0.54, 0.61
HSL	333°, 97%, 20%
HSV	333°, 98%, 39%
XYZ	5.8611, 2.9891, 2.9336
YIQ	36.7310, 44.5590, 34.9830

Conversions

Conversions Part 2

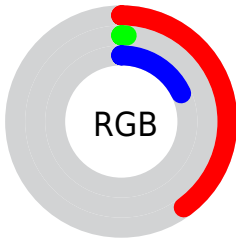
Format	Color
RYB	101, 2, 47
Decimal	6619695
CIELab	20.00, 42.37, 2.11
CIElCh	20, 42.418, 2.853
Yxy	2.9891, 0.4974, 0.2537
Android (android.graphics.Color)	4284809775 (0xFF65022F)
YUV	36.7310, 5.0626, 56.3639
Hunter-Lab	17.2889, 30.2578, 2.0417

Details

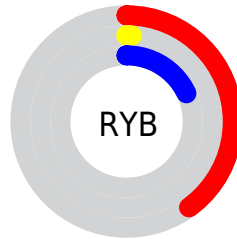
The CIELCh color **20, 42.418, 2.853** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 41.307, 153.216**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 42.238, 2.490**, and **7, 27.542, 20.544** is the 20% darker color. If you saturate the color by 10%, you get **20, 42.779, 3.350**, and if you desaturate by 10%, it is **21, 40.392, 359.649**.

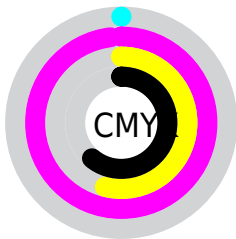
Distribution



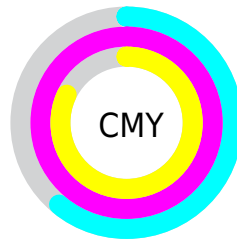
- Red (40%)
- Green (1%)
- Blue (18%)



- Red (40%)
- Yellow (1%)
- Blue (18%)



- Cyan (0%)
- Magenta (98%)
- Yellow (54%)
- Black (61%)



- Cyan (61%)
- Magenta (99%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 42.418, 2.853 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, 42.418, 2.853 by changing the saturation by 10% instead.

 20, 42.418, 2.853

 20, 42.418, 2.853

 100, 42.418, 2.853

 10, 42.418, 2.853

 40, 42.418, 2.853

 0, 42.418, 2.853

 50, 42.418, 2.853

 60, 42.418, 2.853

 70, 42.418, 2.853

 80, 42.418, 2.853

 90, 42.418, 2.853

 20, 42.418, 2.853

 20, 42.418, 2.853

 20, 42.779, 3.350

 21, 40.392,

359.649

■ 22, 37.826,
356.788

■ 24, 34.300,
354.494

■ 26, 30.005,
352.632

■ 29, 25.175,
351.089

■ 31, 20.033,
349.782

■ 34, 14.756,
348.651

■ 37, 9.471, 347.650

■ 40, 4.265, 346.732

Harmonies

Complementary

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



20, 42.418, 2.853



37, 41.307, 153.216

Rectangle

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



20, 42.418, 2.853



20, 42.418, 52.853



20, 42.418, 182.853



20, 42.418, 232.853

Sweetspot

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



20, 42.416, 2.854



43, 19.279, 348.918



14, 61.545, 313.313



20, 13.274, 349.252



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, 42.416, 2.854



27, 51.259, 4.752



19, 48.857, 36.528



19, 2.892, 346.784



23, 46.880, 4.099



52, 81.211, 7.168

Inverse Universe

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



20, 42.416, 2.854



27, 51.259, 4.752



37, 24.154, 201.418



19, 2.892, 346.784



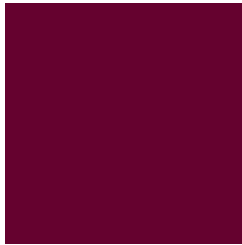
23, 46.880, 4.099



52, 81.211, 7.168

Previews

White Background



This preview shows how the CIELCh color 20, 42.418, 2.853 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, 42.418, 2.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

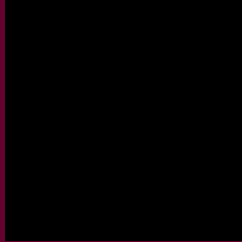
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 42.418, 2.853

Background



This preview shows how black text looks on a background with the CIELCh color 20, 42.418, 2.853.



This preview shows how white text looks on a background with the CIELCh color 20, 42.418, 2.853.

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, 42.418, 2.853

Protanopia

22, 10.829, 283.960

Deuteranopia

22, 7.268, 60.047



Tritanopia
21, 42.384, 33.158

Trichromacy



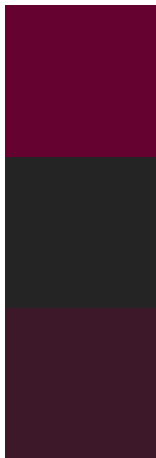
Original Color
20, 42.418, 2.853

Protanomaly
19, 22.467, 333.864

Deuteranomaly
19, 21.925, 4.560

Tritanomaly
20, 41.104, 22.712

Monochromacy



Original Color
20, 42.418, 2.853

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 20.054, 352.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 42.418, 2.853 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, 2, 47)` looks like.

```
.text, #text, p{  
    color:rgb(101, 2, 47)  
}
```

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, 2, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 2, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 42.418, 2.853 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, 2, 47) }
```

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

```
.border{ border-color:rgb(101, 2, 47) }
```

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

Here you see how a box with a 4 pixel rgb(101, 2, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 2, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 2, 47);  
box-shadow:4px 4px 4px 4px rgb(101, 2, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 42.418, 2.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 2, 47) }
```

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

```
.background{ background-color: rgb(101, 2,  
47) }
```

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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