

Converting Colors

CIELCh(20, 43.287, 1.447)

Have a look what the booklet for
CIELCh(20, 43.287, 1.447) contains.

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Color

CIELCh(20, 42.977, 1.596)

Conversions

Conversions Part 1

Format	Color
Hex	650030
RGB	101, 0, 48
RGB Percent	40%, 0%, 19%
CMY	0.6035, 0.9995, 0.8115
CMYK	0.00, 1.00, 0.52, 0.60
HSL	332°, 100%, 20%
HSV	332°, 100%, 40%
XYZ	5.9142, 2.9891, 3.0699
YIQ	35.6710, 44.7880, 36.3400

Conversions

Conversions Part 2

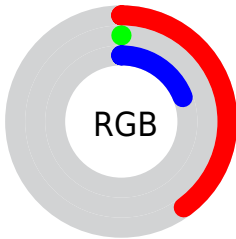
Format	Color
R_{YB}	101, 0, 48
Decimal	6619184
CIE Lab	20.00, 42.96, 1.20
CIE LCh	20, 42.977, 1.596
Yxy	2.9891, 0.4940, 0.2496
Android (android.graphics.Color)	4284809264 (0xFF650030)
YUV	35.6710, 6.0782, 57.2935
Hunter-Lab	17.2889, 30.8061, 1.5744

Details

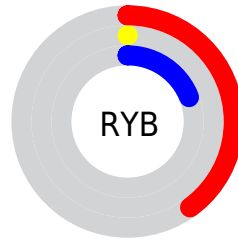
The CIELCh color **20, 42.977, 1.596** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 42.711, 151.898**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 42.802, 1.327**, and **7, 27.542, 20.544** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.003, 1.635**, and if you desaturate by 10%, it is **21, 40.992, 358.553**.

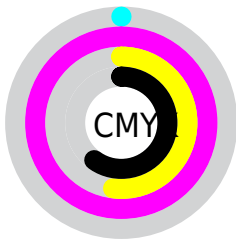
Distribution



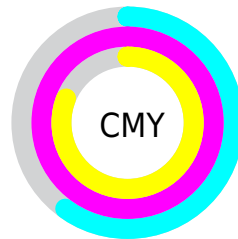
- Red (40%)
- Green (0%)
- Blue (19%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 42.977, 1.596 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, 42.977, 1.596 by changing the saturation by 10% instead.

 20, 42.977, 1.596  20, 42.977, 1.596

 100, 42.977, 1.596  10, 42.977, 1.596

 40, 42.977, 1.596  0, 42.977, 1.596

 50, 42.977, 1.596

 60, 42.977, 1.596

 70, 42.977, 1.596

 80, 42.977, 1.596

 90, 42.977, 1.596

 20, 42.977, 1.596  20, 42.977, 1.596

 20, 43.003, 1.635  21, 40.992,

358.553

■ 22, 38.627,
355.724

■ 24, 35.252,
353.456

■ 26, 31.048,
351.613

■ 28, 26.254,
350.086

■ 31, 21.100,
348.791

■ 34, 15.774,
347.668

■ 37, 10.416,
346.674

■ 40, 5.118, 345.767

Harmonies

Complementary

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



20, 42.977, 1.596



37, 42.711, 151.898

Rectangle

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



20, 42.977, 1.596



20, 42.977, 51.596



20, 42.977, 181.596



20, 42.977, 231.596

Sweetspot

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



20, 42.975, 1.597



44, 19.808, 347.776



14, 62.628, 312.926



21, 13.419, 348.096



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, 42.975, 1.597



28, 52.070, 3.043



19, 49.811, 36.294



19, 2.929, 345.684



23, 46.982, 2.328



52, 81.233, 5.267

Inverse Universe

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



20, 42.975, 1.597



28, 52.070, 3.043



38, 24.844, 198.863



19, 2.929, 345.684



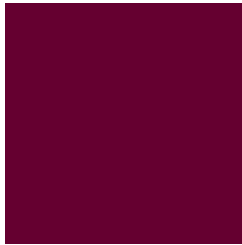
23, 46.982, 2.328



52, 81.233, 5.267

Previews

White Background



This preview shows how the CIE LCh color 20, 42.977, 1.596 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, 42.977, 1.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

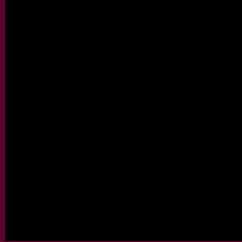
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 42.977, 1.596

Background



This preview shows how black text looks on a background with the CIELCh color 20, 42.977, 1.596.



This preview shows how white text looks on a background with the CIELCh color 20, 42.977, 1.596.

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, 42.977, 1.596

Protanopia
22, 12.150, 285.303

Deuteranopia
22, 6.415, 58.694



Tritanopia
21, 42.090, 32.434

Trichromacy



Original Color
20, 42.977, 1.596

Protanomaly
18, 24.139, 331.502

Deuteranomaly
19, 22.023, 2.829

Tritanomaly
20, 40.931, 20.598

Monochromacy



Original Color
20, 42.977, 1.596

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 20.701, 352.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 42.977, 1.596 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 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(101, 0, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 42.977, 1.596 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, 48) }
```

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

```
.border{ border-color:rgb(101, 0, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(101, 0, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 42.977, 1.596 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, 48) }
```

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

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