

Converting Colors

CIELCh(20, 31.684, 8.794)

Have a look what the booklet for
CIELCh(20, 31.684, 8.794) contains.

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Color

CIELCh(20, 32.025, 9.357)

Conversions

Conversions Part 1

Format	Color
Hex	5A182A
RGB	90, 24, 42
RGB Percent	35%, 9%, 16%
CMY	0.6473, 0.9061, 0.8355
CMYK	0.00, 0.73, 0.53, 0.65
HSL	344°, 58%, 22%
HSV	344°, 73%, 35%
XYZ	4.9540, 2.9891, 2.5023
YIQ	45.7860, 33.5580, 19.5900

Conversions

Conversions Part 2

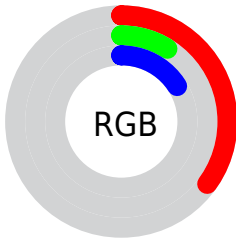
Format	Color
R_{YB}	90, 24, 42
Decimal	5904426
CIE Lab	20.00, 31.60, 5.21
CIE LCh	20, 32.025, 9.357
Yxy	2.9891, 0.4743, 0.2862
Android (android.graphics.Color)	4284094506 (0xFF5A182A)
YUV	45.7860, -1.8665, 38.7757
Hunter-Lab	17.2889, 20.8927, 3.5209

Details

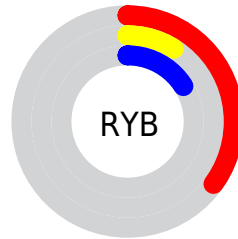
The CIELCh color **20, 32.025, 9.357** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **34, 25.761, 169.970**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 32.437, 9.263**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **19, 35.479, 12.677**, and if you desaturate by 10%, it is **22, 28.045, 6.691**.

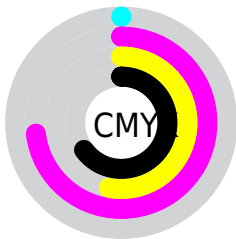
Distribution



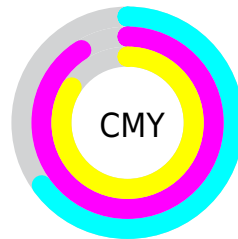
- Red (35%)
- Green (9%)
- Blue (16%)



- Red (35%)
- Yellow (9%)
- Blue (16%)



- Cyan (0%)
- Magenta (73%)
- Yellow (53%)
- Black (65%)



- Cyan (65%)
- Magenta (91%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 32.025, 9.357 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, 32.025, 9.357 by changing the saturation by 10% instead.

 20, 32.025, 9.357

 20, 32.025, 9.357

 100, 32.025, 9.357

 10, 32.025, 9.357

 40, 32.025, 9.357

 0, 32.025, 9.357

 50, 32.025, 9.357

 60, 32.025, 9.357

 70, 32.025, 9.357

 80, 32.025, 9.357

 90, 32.025, 9.357

 20, 32.025, 9.357

 20, 32.025, 9.357

 19, 35.479, 12.677

 22, 28.045, 6.691

17, 38.439, 16.606

24, 23.704, 4.541

17, 40.563, 18.992

26, 19.169, 2.786

29, 14.584, 1.330

32, 10.053, 0.097

34, 5.643, 359.025

37, 1.394, 357.962

40, 2.677, 177.452

43, 6.567, 176.670

Harmonies

Complementary

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



20, 32.025, 9.357



34, 25.761, 169.970

Rectangle

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



20, 32.025, 9.357



20, 32.025, 59.357



20, 32.025, 189.357



20, 32.025, 239.357

Sweetspot

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



20, 32.023, 9.359



42, 11.765, 0.022



19, 45.143, 318.744



20, 7.846, 0.199



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, 32.023, 9.359



25, 45.409, 15.656



22, 30.591, 42.347



17, 2.383, 358.571



22, 46.950, 20.537



50, 84.703, 24.517

Inverse Universe

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



20, 32.023, 9.359



25, 45.409, 15.656



30, 17.839, 228.780



17, 2.383, 358.571



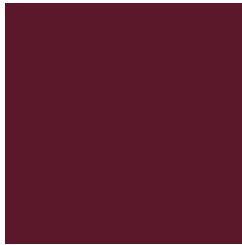
22, 46.950, 20.537



50, 84.703, 24.517

Previews

White Background



This preview shows how the CIELCh color 20, 32.025, 9.357 looks on a white background.

Color Contrast Check

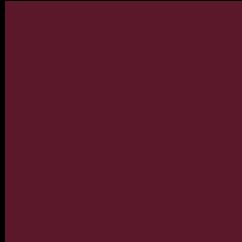
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.025, 9.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

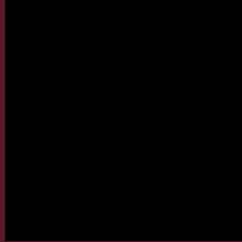
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 32.025, 9.357

Background



This preview shows how black text looks on a background with the CIELCh color 20, 32.025, 9.357.



This preview shows how white text looks on a background with the CIELCh color 20, 32.025, 9.357.

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, 32.025, 9.357

Protanopia

21, 3.407, 283.428

Deuteranopia

21, 7.970, 69.143



Tritanopia
20, 32.249, 27.579

Trichromacy



Original Color
20, 32.025, 9.357

Protanomaly
20, 12.438, 353.263

Deuteranomaly
20, 15.747, 20.812

Tritanomaly
20, 31.582, 21.103

Monochromacy



Original Color
20, 32.025, 9.357

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 12.542, 0.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 32.025, 9.357 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(90, 24, 42)` looks like.

```
.text, #text, p{  
    color:rgb(90, 24, 42)  
}
```

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(90, 24, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 24, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 32.025, 9.357 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(90, 24, 42) }
```

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

```
.border{ border-color:rgb(90, 24, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 24, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 24, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 24, 42);  
box-shadow:4px 4px 4px 4px rgb(90, 24, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 32.025, 9.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 24, 42) }
```

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

```
.background{ background-color: rgb(90, 24,  
42) }
```

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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