

Converting Colors

CIELCh(34, 41.566, 20.793)

Have a look what the booklet for
CIELCh(34, 41.566, 20.793) contains.

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Color

CIELCh(34, 41.643, 20.319)

Conversions

Conversions Part 1

Format	Color
Hex	8B313B
RGB	139, 49, 59
RGB Percent	55%, 19%, 23%
CMY	0.4547, 0.8077, 0.7685
CMYK	0.00, 0.65, 0.58, 0.45
HSL	353°, 48%, 37%
HSV	353°, 65%, 55%
XYZ	12.5443, 8.0082, 5.0266
YIQ	77.0500, 50.4300, 22.1900

Conversions

Conversions Part 2

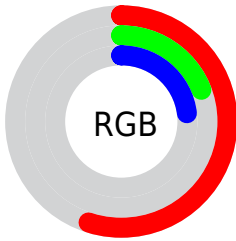
Format	Color
R_{YB}	139, 49, 59
Decimal	9122107
CIE _{Lab}	34.00, 39.05, 14.46
CIE _{LCh}	34, 41.643, 20.319
Yxy	8.0082, 0.4904, 0.3131
Android (android.graphics.Color)	4287312187 (0xFF8B313B)
YUV	77.0500, -8.8986, 54.3302
Hunter-Lab	28.2988, 29.6023, 9.2778

Details

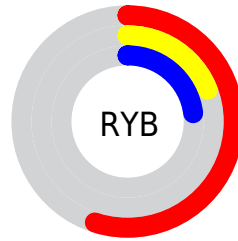
The CIELCh color **34, 41.643, 20.319** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **53, 28.966, 184.968**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 41.804, 20.435**, and **15, 39.259, 23.382** is the 20% darker color. If you saturate the color by 10%, you get **32, 48.091, 23.627**, and if you desaturate by 10%, it is **37, 34.872, 17.679**.

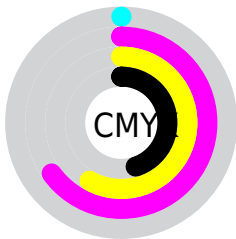
Distribution



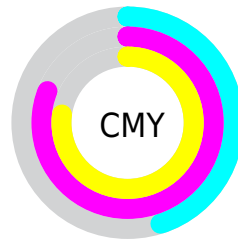
- Red (55%)
- Green (19%)
- Blue (23%)



- Red (55%)
- Yellow (19%)
- Blue (23%)



- Cyan (0%)
- Magenta (65%)
- Yellow (58%)
- Black (45%)



- Cyan (45%)
- Magenta (81%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 41.643, 20.319 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 34, 41.643, 20.319 by changing the saturation by 10% instead.

 34, 41.643, 20.319

 34, 41.643, 20.319

 100, 41.643,
20.319

 24, 41.643, 20.319

 54, 41.643, 20.319

 14, 41.643, 20.319

 64, 41.643, 20.319

 4, 41.643, 20.319

 74, 41.643, 20.319

 0, 41.643, 20.319

 84, 41.643, 20.319

 94, 41.643, 20.319

 34, 41.643, 20.319

 34, 41.643, 20.319

 32, 48.091, 23.627

 37, 34.872, 17.679

30, 54.020, 27.621

40, 28.008, 15.587

29, 59.275, 32.072

44, 21.243, 13.924

28, 61.941, 34.116

48, 14.715, 12.585

52, 8.505, 11.481

56, 2.647, 10.478

60, 2.855, 190.022

64, 8.016, 189.288

69, 12.862,
188.713

Harmonies

Complementary

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



34, 41.643, 20.319



53, 28.966, 184.968

Rectangle

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



34, 41.643, 20.319



34, 41.643, 70.319



34, 41.643, 200.319



34, 41.643, 250.319

Sweetspot

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



34, 41.641, 20.322



64, 13.807, 11.974



35, 58.373, 323.873



32, 9.650, 12.260



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



34, 41.641, 20.322



41, 62.055, 25.529



41, 35.571, 56.386



27, 3.177, 10.930



27, 59.684, 33.864



0, 1.435, 10.254

Inverse Universe

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



34, 41.641, 20.322



41, 62.055, 25.529



42, 25.434, 254.024



27, 3.177, 10.930



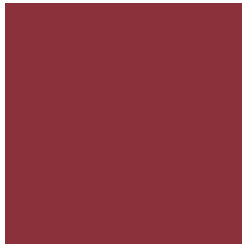
27, 59.684, 33.864



0, 1.435, 10.254

Previews

White Background



This preview shows how the CIELCh color 34, 41.643, 20.319 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 34, 41.643, 20.319 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 34, 41.643, 20.319

Background



This preview shows how black text looks on a background with the CIELCh color 34, 41.643, 20.319.



This preview shows how white text looks on a background with the CIELCh color 34, 41.643, 20.319.

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

34, 41.643, 20.319

Protanopia

35, 4.553, 92.346

Deuteranopia

34, 16.996, 72.786



Tritanopia
34, 42.305, 25.730

Trichromacy



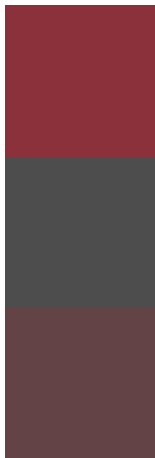
Original Color
34, 41.643, 20.319

Protanomaly
33, 16.282, 22.111

Deuteranomaly
33, 23.456, 39.408

Tritanomaly
34, 41.927, 24.135

Monochromacy



Original Color
34, 41.643, 20.319

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 15.280, 15.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 41.643, 20.319 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(139, 49, 59)` looks like.

```
.text, #text, p{  
  color:rgb(139, 49, 59)  
}
```

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(139, 49, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 49, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 41.643, 20.319 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(139, 49, 59) }
```

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

```
.border{ border-color:rgb(139, 49, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 49, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 49, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 49, 59);  
box-shadow:4px 4px 4px 4px rgb(139, 49,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 41.643, 20.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 49, 59) }
```

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

```
.background{ background-color: rgb(139, 49,  
59) }
```

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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