

Converting Colors

CIELCh(20, 10.944, 39.289)

Have a look what the booklet for
CIELCh(20, 10.944, 39.289) contains.

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Color

CIELCh(20, 10.893, 39.288)

Conversions

Conversions Part 1

Format	Color
Hex	402C27
RGB	64, 44, 39
RGB Percent	25%, 17%, 15%
CMY	0.7508, 0.8291, 0.8487
CMYK	0.00, 0.31, 0.39, 0.75
HSL	12°, 24%, 20%
HSV	12°, 39%, 25%
XYZ	3.3297, 2.9891, 2.2857
YIQ	49.4100, 13.5250, 2.6850

Conversions

Conversions Part 2

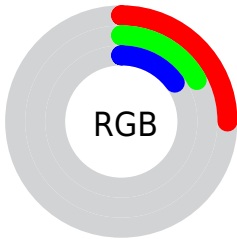
Format	Color
RYB	64, 45, 39
Decimal	4205607
CIELab	20.00, 8.43, 6.90
CIELCh	20, 10.893, 39.288
Yxy	2.9891, 0.3870, 0.3474
Android (android.graphics.Color)	4282395687 (0xFF402C27)
YUV	49.4100, -5.1321, 12.7954
Hunter-Lab	17.2889, 4.1221, 4.2639

Details

The CIELCh color **20, 10.893, 39.288** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 8.551, 221.212**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 10.958, 39.890**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 14.169, 39.543**, and if you desaturate by 10%, it is **22, 7.827, 39.181**.

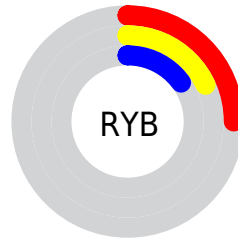
Distribution



Red (25%)

Green (17%)

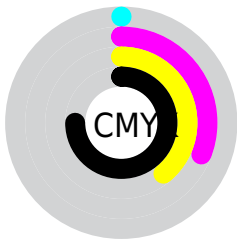
Blue (15%)



Red (25%)

Yellow (18%)

Blue (15%)

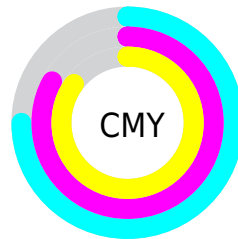


Cyan (0%)

Magenta (31%)

Yellow (39%)

Black (75%)



Cyan (75%)

Magenta (83%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 10.893, 39.288 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, 10.893, 39.288 by changing the saturation by 10% instead.

■ 20, 10.893, 39.288

■ 20, 10.893, 39.288

■ 100, 10.893,
39.288

■ 10, 10.893, 39.288

■ 0, 10.893, 39.288

■ 40, 10.893, 39.288

■ 50, 10.893, 39.288

■ 60, 10.893, 39.288

■ 70, 10.893, 39.288

■ 80, 10.893, 39.288

■ 90, 10.893, 39.288

■ 20, 10.893, 39.288

■ 20, 10.893, 39.288

18, 14.169, 39.543

22, 7.827, 39.181

17, 17.650, 39.955

23, 4.969, 39.175

15, 21.291, 40.473

25, 2.306, 39.221

14, 24.523, 39.732

27, 0.177, 220.865

13, 27.211, 38.093

29, 2.494, 219.824

12, 29.706, 37.159

31, 4.663, 220.048

12, 29.881, 37.125

33, 6.698, 220.330

34, 8.615, 220.642

36, 10.426,
220.970

Harmonies

Complementary

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



20, 10.893, 39.288



23, 8.551, 221.212

Rectangle

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



20, 10.893, 39.288



20, 10.893, 89.288



20, 10.893, 219.288



20, 10.893, 269.288

Sweetspot

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



20, 10.892, 39.294



32, 3.719, 39.207



19, 17.447, 332.749



15, 2.426, 39.206



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



20, 10.892, 39.294



25, 16.626, 39.533



24, 12.137, 89.336



11, 1.334, 39.222



19, 44.149, 41.684



49, 89.678, 43.216

Inverse Universe

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



23, 8.551, 221.212



29, 12.151, 222.031



19, 12.221, 279.087



11, 1.275, 219.799



29, 21.120, 232.805



67, 39.598, 236.093

Previews

White Background



This preview shows how the CIELCh color 20, 10.893, 39.288 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, 10.893, 39.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

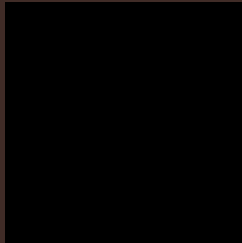
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 10.893, 39.288

Background



This preview shows how black text looks on a background with the CIELCh color 20, 10.893, 39.288.

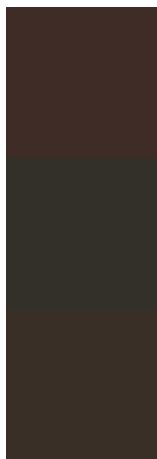


This preview shows how white text looks on a background with the CIELCh color 20, 10.893, 39.288.

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, 10.893, 39.288

Protanopia

20, 4.968, 91.662

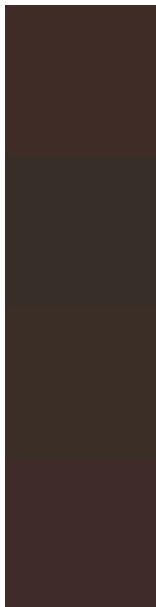
Deuteranopia

20, 8.001, 69.096



Tritanopia
20, 10.455, 10.754

Trichromacy



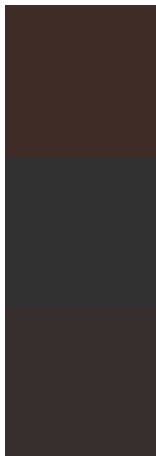
Original Color
20, 10.893, 39.288

Protanomaly
20, 6.516, 58.579

Deuteranomaly
20, 8.667, 58.700

Tritanomaly
20, 10.498, 21.752

Monochromacy



Original Color
20, 10.893, 39.288

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 3.664, 41.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 10.893, 39.288 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(64, 44, 39)` looks like.

```
.text, #text, p{  
    color:rgb(64, 44, 39)  
}
```

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(64, 44, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 44, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 10.893, 39.288 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(64, 44, 39) }
```

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

```
.border{ border-color:rgb(64, 44, 39) }
```

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

Here you see how a box with a 4 pixel rgb(64, 44, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 44, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 44, 39);  
box-shadow:4px 4px 4px 4px rgb(64, 44, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 10.893, 39.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 44, 39) }
```

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

```
.background{ background-color: rgb(64, 44,  
39) }
```

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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