

Converting Colors

CIELCh(20, 10.410, 40.017)

Have a look what the booklet for
CIELCh(20, 10.410, 40.017) contains.

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Color

CIELCh(20, 10.393, 40.094)

Conversions

Conversions Part 1

Format	Color
Hex	3F2C27
RGB	63, 44, 39
RGB Percent	25%, 17%, 15%
CMY	0.7535, 0.8280, 0.8476
CMYK	0.00, 0.30, 0.38, 0.75
HSL	13°, 24%, 20%
HSV	13°, 38%, 25%
XYZ	3.3005, 2.9891, 2.3111
YIQ	49.1110, 12.9290, 2.4730

Conversions

Conversions Part 2

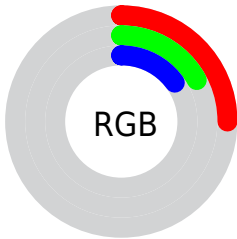
Format	Color
R_{YB}	63, 45, 39
Decimal	4140071
CIE Lab	20.00, 7.95, 6.69
CIE LCh	20, 10.393, 40.094
Yxy	2.9891, 0.3837, 0.3475
Android (android.graphics.Color)	4282330151 (0xFF3F2C27)
YUV	49.1110, -4.9847, 12.1807
Hunter-Lab	17.2889, 3.8202, 4.1765

Details

The CIELCh color **20, 10.393, 40.094** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 8.240, 222.256**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 10.095, 41.517**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.598, 40.282**, and if you desaturate by 10%, it is **22, 7.395, 40.046**.

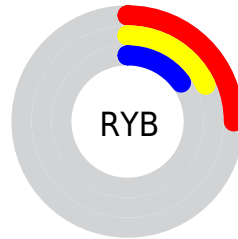
Distribution



Red (25%)

Green (17%)

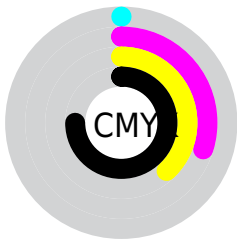
Blue (15%)



Red (25%)

Yellow (18%)

Blue (15%)

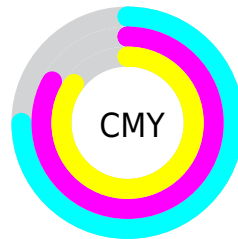


Cyan (0%)

Magenta (30%)

Yellow (38%)

Black (75%)



Cyan (75%)

Magenta (83%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 10.393, 40.094 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, 10.393, 40.094 by changing the saturation by 10% instead.

 20, 10.393, 40.094

 20, 10.393, 40.094

 100, 10.393,
40.094

 10, 10.393, 40.094

 0, 10.393, 40.094

 40, 10.393, 40.094

 50, 10.393, 40.094

 60, 10.393, 40.094

 70, 10.393, 40.094

 80, 10.393, 40.094

 90, 10.393, 40.094

 20, 10.393, 40.094

 20, 10.393, 40.094

■ 18, 13.598, 40.282

■ 22, 7.395, 40.046

■ 17, 17.008, 40.617

■ 23, 4.600, 40.088

■ 15, 20.592, 41.087

■ 25, 1.994, 40.168

■ 14, 23.822, 40.390

■ 27, 0.436, 221.049

■ 13, 26.500, 38.670

■ 29, 2.706, 220.854

■ 12, 28.982, 37.556

■ 31, 4.832, 221.117

■ 12, 29.421, 37.445

■ 32, 6.829, 221.431

■ 34, 8.711, 221.771

■ 36, 10.491,
222.126

Harmonies

Complementary

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



20, 10.393, 40.094



23, 8.240, 222.256

Rectangle

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



20, 10.393, 40.094



20, 10.393, 90.094



20, 10.393, 220.094



20, 10.393, 270.094

Sweetspot

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



20, 10.392, 40.100



32, 3.381, 40.146



19, 16.811, 332.678



15, 2.236, 40.143



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, 10.392, 40.100



25, 16.133, 40.279



24, 11.679, 89.474



11, 1.328, 40.167



20, 44.004, 42.075



49, 89.366, 43.470

Inverse Universe

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



23, 8.240, 222.256



29, 11.908, 223.118



19, 11.755, 278.879



11, 1.270, 220.801



29, 21.182, 234.516



67, 39.792, 237.931

Previews

White Background



This preview shows how the CIELCh color 20, 10.393, 40.094 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, 10.393, 40.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

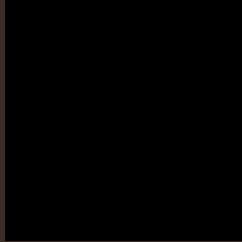
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 10.393, 40.094

Background



This preview shows how black text looks on a background with the CIELCh color 20, 10.393, 40.094.

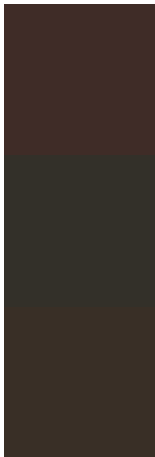


This preview shows how white text looks on a background with the CIELCh color 20, 10.393, 40.094.

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, 10.393, 40.094

Protanopia

20, 4.968, 91.662

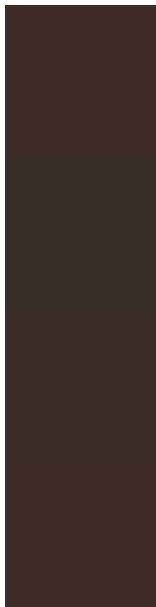
Deuteranopia

20, 8.001, 69.096



Tritanopia
20, 10.455, 10.754

Trichromacy



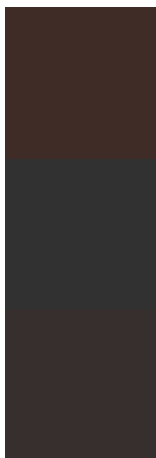
Original Color
20, 10.393, 40.094

Protanomaly
20, 6.120, 61.535

Deuteranomaly
20, 8.667, 58.700

Tritanomaly
20, 10.498, 21.752

Monochromacy



Original Color
20, 10.393, 40.094

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, 10.393, 40.094 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(63, 44, 39)` looks like.

```
.text, #text, p{  
    color:rgb(63, 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(63, 44, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 44, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 10.393, 40.094 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(63, 44, 39) }
```

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

```
.border{ border-color:rgb(63, 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(63, 44, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 44, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 44, 39);  
box-shadow:4px 4px 4px 4px rgb(63, 44, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 10.393, 40.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 44, 39) }
```

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

```
.background{ background-color: rgb(63, 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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