

Converting Colors

CIELCh(28, 7.877, 20.760)

Have a look what the booklet for
CIELCh(28, 7.877, 20.760) contains.

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Color

CIELCh(28, 7.920, 20.783)

Conversions

Conversions Part 1

Format	Color
Hex	4F3E3E
RGB	79, 62, 62
RGB Percent	31%, 24%, 24%
CMY	0.6901, 0.7568, 0.7568
CMYK	0.00, 0.22, 0.22, 0.69
HSL	0°, 12%, 28%
HSV	0°, 22%, 31%
XYZ	5.8187, 5.4574, 5.3060
YIQ	67.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

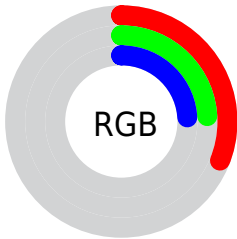
Format	Color
RYB	79, 62, 62
Decimal	5193278
CIELab	28.00, 7.40, 2.81
CIELCh	28, 7.920, 20.783
Yxy	5.4574, 0.3509, 0.3291
Android (android.graphics.Color)	4283383358 (0xFF4F3E3E)
YUV	67.0830, -2.5059, 10.4512
Hunter-Lab	23.3610, 3.5781, 2.8863

Details

The CIELCh color **28, 7.920, 20.783** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 6.970, 198.432**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 7.575, 24.673**, and **8, 7.711, 20.733** is the 20% darker color. If you saturate the color by 10%, you get **26, 12.010, 21.741**, and if you desaturate by 10%, it is **31, 4.090, 20.017**.

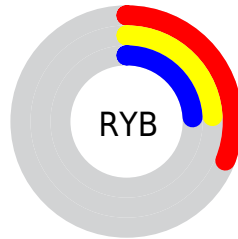
Distribution



Red (31%)

Green (24%)

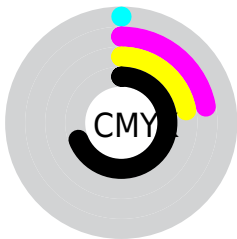
Blue (24%)



Red (31%)

Yellow (24%)

Blue (24%)

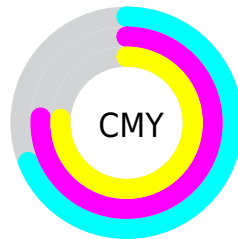


Cyan (0%)

Magenta (22%)

Yellow (22%)

Black (69%)



Cyan (69%)

Magenta (76%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 7.920, 20.783 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 28, 7.920, 20.783 by changing the saturation by 10% instead.

 28, 7.920, 20.783  28, 7.920, 20.783

 100, 7.920, 20.783  18, 7.920, 20.783

 48, 7.920, 20.783  8, 7.920, 20.783


 58, 7.920, 20.783  0, 7.920, 20.783

 68, 7.920, 20.783

 78, 7.920, 20.783

 88, 7.920, 20.783

 98, 7.920, 20.783

 28, 7.920, 20.783  28, 7.920, 20.783

 26, 12.010, 21.741  31, 4.090, 20.017

■ 23, 16.346, 22.944

■ 33, 0.520, 18.953

■ 21, 20.887, 24.476

■ 36, 2.805, 199.128

■ 19, 25.559, 26.420

■ 39, 5.905, 198.694

■ 17, 30.254, 28.848

■ 41, 8.800, 198.368

■ 16, 34.504, 30.888

■ 44, 11.513,
198.105

■ 15, 37.700, 31.646

■ 47, 14.064,
197.888

■ 14, 40.340, 31.878

■ 49, 16.471,
197.708

■ 52, 18.752,
197.557

Harmonies

Complementary

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



28, 7.920, 20.783



32, 6.970, 198.432

Rectangle

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



28, 7.920, 20.783



28, 7.920, 70.783



28, 7.920, 200.783



28, 7.920, 250.783

Sweetspot

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



28, 7.919, 20.790



41, 2.583, 19.627



29, 13.182, 325.497



20, 1.693, 19.647



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 7.919, 20.790



35, 12.046, 21.277



31, 6.716, 73.001



14, 1.910, 19.808



19, 50.501, 35.963



48, 96.566, 40.001

Inverse Universe

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



32, 6.970, 198.432



41, 10.235, 198.193



29, 6.382, 258.214



15, 1.819, 199.085



39, 25.569, 196.401



83, 46.271, 196.402

Previews

White Background



This preview shows how the CIELCh color 28, 7.920, 20.783 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 28, 7.920, 20.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

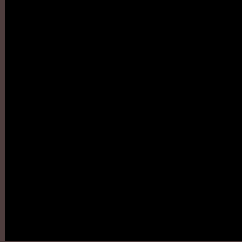
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 7.920, 20.783

Background



This preview shows how black text looks on a background with the CIELCh color 28, 7.920, 20.783.

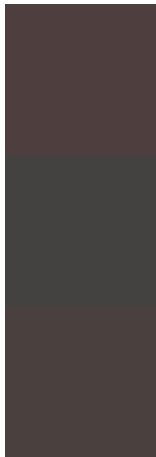


This preview shows how white text looks on a background with the CIELCh color 28, 7.920, 20.783.

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

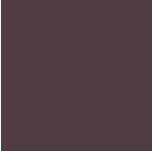
28, 7.920, 20.783

Protanopia

28, 1.566, 74.682

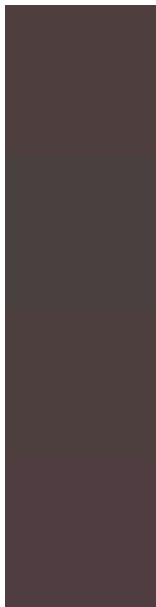
Deuteranopia

28, 4.802, 35.622



Tritanopia
28, 8.804, 359.628

Trichromacy



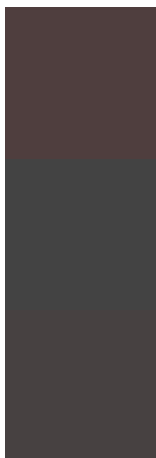
Original Color
28, 7.920, 20.783

Protanomaly
28, 3.454, 41.691

Deuteranomaly
28, 6.068, 26.468

Tritanomaly
28, 8.630, 3.677

Monochromacy



Original Color
28, 7.920, 20.783

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 2.715, 19.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 7.920, 20.783 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(79, 62, 62)` looks like.

```
.text, #text, p{  
  color:rgb(79, 62, 62)  
}
```

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(79, 62, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 62, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 7.920, 20.783 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(79, 62, 62) }
```

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

```
.border{ border-color:rgb(79, 62, 62) }
```

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

Here you see how a box with a 4 pixel rgb(79, 62, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 62, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 62, 62);  
box-shadow:4px 4px 4px 4px rgb(79, 62, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 7.920, 20.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 62, 62) }
```

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

```
.background{ background-color: rgb(79, 62,  
62) }
```

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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