

Converting Colors

CIELCh(20, 7.769, 30.951)

Have a look what the booklet for
CIELCh(20, 7.769, 30.951) contains.

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Color

CIELCh(20, 7.614, 31.092)

Conversions

Conversions Part 1

Format	Color
Hex	3C2D2B
RGB	60, 45, 43
RGB Percent	24%, 18%, 17%
CMY	0.7655, 0.8243, 0.8321
CMYK	0.00, 0.25, 0.28, 0.77
HSL	7°, 17%, 20%
HSV	7°, 28%, 23%
XYZ	3.2144, 2.9891, 2.6744
YIQ	49.2570, 9.5820, 2.5580

Conversions

Conversions Part 2

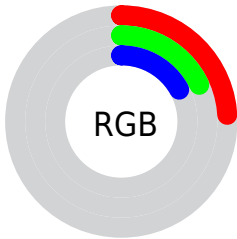
Format	Color
RYB	60, 45, 43
Decimal	3943723
CIELab	20.00, 6.52, 3.93
CIElCh	20, 7.614, 31.092
Yxy	2.9891, 0.3621, 0.3367
Android (android.graphics.Color)	4282133803 (0xFF3C2D2B)
YUV	49.2570, -3.0847, 9.4216
Hunter-Lab	17.2889, 2.9316, 2.9307

Details

The CIELCh color **20, 7.614, 31.092** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 6.421, 210.404**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 7.680, 33.962**, and **1, 4.733, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 10.668, 31.610**, and if you desaturate by 10%, it is **22, 4.759, 30.728**.

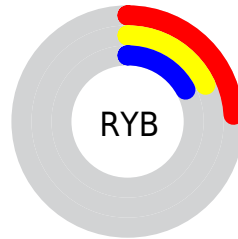
Distribution



Red (24%)

Green (18%)

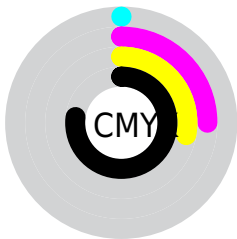
Blue (17%)



Red (24%)

Yellow (18%)

Blue (17%)

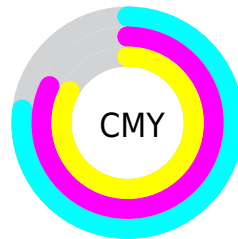


Cyan (0%)

Magenta (25%)

Yellow (28%)

Black (77%)



Cyan (77%)

Magenta (82%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 7.614, 31.092 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, 7.614, 31.092 by changing the saturation by 10% instead.

 20, 7.614, 31.092  20, 7.614, 31.092

 100, 7.614, 31.092  10, 7.614, 31.092

 40, 7.614, 31.092  0, 7.614, 31.092

 50, 7.614, 31.092


 60, 7.614, 31.092

 70, 7.614, 31.092

 80, 7.614, 31.092

 90, 7.614, 31.092

 20, 7.614, 31.092  20, 7.614, 31.092

 18, 10.668, 31.610  22, 4.759, 30.728

17, 13.920, 32.301

24, 2.097, 30.430

15, 17.358, 33.215

26, 0.384, 211.019

13, 20.874, 34.083

27, 2.698, 210.418

12, 23.955, 33.504

29, 4.861, 210.365

11, 26.551, 32.263

31, 6.889, 210.379

10, 28.904, 31.772

33, 8.794, 210.433

10, 29.280, 31.696

35, 10.592,
210.515

37, 12.293,
210.617

Harmonies

Complementary

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



20, 7.614, 31.092



23, 6.421, 210.404

Rectangle

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



20, 7.614, 31.092



20, 7.614, 81.092



20, 7.614, 211.092



20, 7.614, 261.092

Sweetspot

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



20, 7.613, 31.099



30, 2.767, 30.461



20, 12.745, 329.223



14, 1.891, 30.477



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



20, 7.613, 31.099



25, 11.478, 31.443



23, 7.703, 83.731



11, 1.412, 30.432



19, 45.453, 38.469



47, 92.215, 41.298

Inverse Universe

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



23, 6.421, 210.404



30, 9.223, 210.498



20, 7.539, 270.624



11, 1.348, 210.453



32, 21.411, 216.272



73, 39.677, 218.101

Previews

White Background



This preview shows how the CIELCh color 20, 7.614, 31.092 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, 7.614, 31.092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

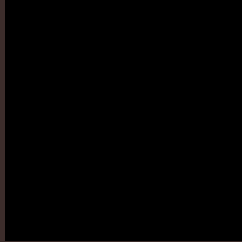
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 7.614, 31.092

Background



This preview shows how black text looks on a background with the CIELCh color 20, 7.614, 31.092.

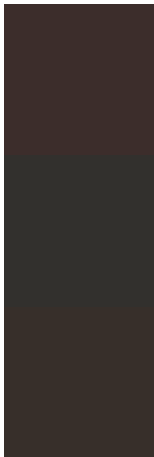


This preview shows how white text looks on a background with the CIELCh color 20, 7.614, 31.092.

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, 7.614, 31.092

Protanopia

20, 2.244, 84.321

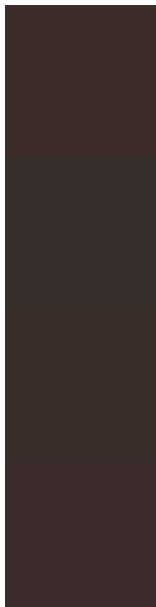
Deuteranopia

20, 5.238, 60.065



Tritanopia
20, 7.998, 6.587

Trichromacy



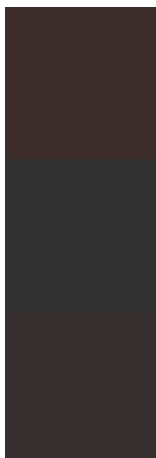
Original Color
20, 7.614, 31.092

Protanomaly
20, 3.987, 50.515

Deuteranomaly
20, 6.146, 46.389

Tritanomaly
20, 7.880, 16.259

Monochromacy



Original Color
20, 7.614, 31.092

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 2.870, 19.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 7.614, 31.092 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(60, 45, 43)` looks like.

```
.text, #text, p{  
    color:rgb(60, 45, 43)  
}
```

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(60, 45, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 45, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 7.614, 31.092 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(60, 45, 43) }
```

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

```
.border{ border-color:rgb(60, 45, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 45, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 45, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 45, 43);  
box-shadow:4px 4px 4px 4px rgb(60, 45, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 7.614, 31.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 45, 43) }
```

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

```
.background{ background-color: rgb(60, 45,  
43) }
```

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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