

Converting Colors

CIELCh(64, 7.410, 20.735)

Have a look what the booklet for
CIELCh(64, 7.410, 20.735) contains.

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Color

CIELCh(64, 7.470, 20.055)

Conversions

Conversions Part 1

Format	Color
Hex	AA9797
RGB	170, 151, 151
RGB Percent	67%, 59%, 59%
CMY	0.3343, 0.4088, 0.4088
CMYK	0.00, 0.11, 0.11, 0.33
HSL	0°, 10%, 63%
HSV	0°, 11%, 67%
XYZ	33.1193, 32.8017, 33.7623
YIQ	156.6810, 11.3240, 4.0280

Conversions

Conversions Part 2

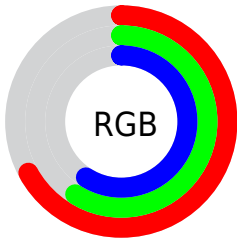
Format	Color
RYB	170, 151, 151
Decimal	11179927
CIELab	64.00, 7.02, 2.56
CIELCh	64, 7.470, 20.055
Yxy	32.8017, 0.3322, 0.3291
Android (android.graphics.Color)	4289370007 (0xFFAA9797)
YUV	156.6810, -2.8007, 11.6808
Hunter-Lab	57.2727, 2.9945, 5.1395

Details

The CIELCh color $64, 7.470, 20.055$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 6.965, 198.892$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 7.401, 19.889$, and $44, 7.669, 20.344$ is the 20% darker color. If you saturate the color by 10%, you get $59, 14.702, 20.926$, and if you desaturate by 10%, it is $69, 0.764, 18.851$.

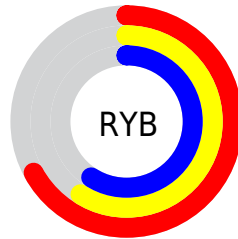
Distribution



Red (67%)

Green (59%)

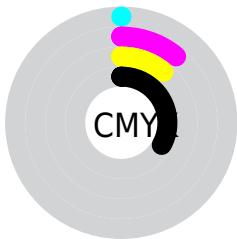
Blue (59%)



Red (67%)

Yellow (59%)

Blue (59%)

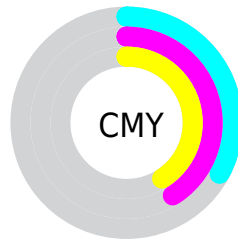


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (33%)



Cyan (33%)


Magenta (41%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 7.470, 20.055 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 64, 7.470, 20.055 by changing the saturation by 10% instead.

 64, 7.470, 20.055  64, 7.470, 20.055

 100, 7.470, 20.055  54, 7.470, 20.055

 84, 7.470, 20.055  44, 7.470, 20.055


 94, 7.470, 20.055  34, 7.470, 20.055


 24, 7.470, 20.055

 14, 7.470, 20.055

 4, 7.470, 20.055

 0, 7.470, 20.055

 64, 7.470, 20.055  64, 7.470, 20.055

 59, 14.702, 20.926  69, 0.764, 18.851

■ 55, 22.465, 22.008

■ 74, 5.441, 199.075

■ 50, 30.714, 23.410

■ 79, 11.191,
198.628

■ 46, 39.339, 25.233

■ 84, 16.534,
198.291

■ 42, 48.146, 27.582

■ 39, 56.860, 30.521

■ 89, 21.516,
198.024

■ 37, 65.092, 33.952

■ 94, 26.183,
197.806

■ 36, 72.112, 37.370

■ 35, 76.964, 39.886

■ 95, 26.820,
197.764

Harmonies

Complementary

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



64, 7.470, 20.055



68, 6.965, 198.892

Rectangle

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



64, 7.470, 20.055



64, 7.470, 70.055



64, 7.470, 200.055



64, 7.470, 250.055

Sweetspot

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



64, 7.469, 20.068



87, 2.413, 19.352



65, 12.815, 325.027



46, 1.849, 19.451



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 7.469, 20.068



80, 10.875, 20.231



67, 6.420, 74.028



33, 3.723, 19.918



30, 69.025, 39.362



1, 6.571, 19.416

Inverse Universe

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



68, 6.965, 198.892



86, 10.007, 198.777



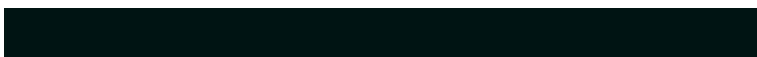
65, 6.251, 256.922



35, 3.515, 199.004



55, 33.381, 196.409



5, 6.570, 199.440

Previews

White Background



This preview shows how the CIELCh color 64, 7.470, 20.055 looks on a white 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

Black Background



This preview shows how the CIE LCh color 64, 7.470, 20.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

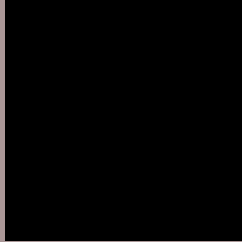
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 7.470, 20.055

Background



This preview shows how black text looks on a background with the CIELCh color 64, 7.470, 20.055.



This preview shows how white text looks on a background with the CIELCh color 64, 7.470, 20.055.

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

64, 7.470, 20.055

Protanopia

64, 1.635, 39.135

Deuteranopia

64, 8.682, 16.538



Tritanopia
64, 10.800, 342.277

Trichromacy



Original Color
64, 7.470, 20.055

Protanomaly
64, 3.540, 28.620

Deuteranomaly
64, 8.282, 16.317

Tritanomaly
64, 9.040, 354.805

Monochromacy



Original Color
64, 7.470, 20.055

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 2.707, 19.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 7.470, 20.055 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(170, 151, 151)` looks like.

```
.text, #text, p{  
    color:rgb(170, 151, 151)  
}
```

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(170, 151, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 151, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 7.470, 20.055 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(170, 151, 151) }
```

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

```
.border{ border-color:rgb(170, 151, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 151, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 151, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 151, 151);  
box-shadow:4px 4px 4px 4px rgb(170, 151,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 7.470, 20.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 151, 151) }
```

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

```
.background{ background-color: rgb(170,  
151, 151) }
```

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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