

Converting Colors

CIELCh(65, 7.451, 20.033)

Have a look what the booklet for
CIELCh(65, 7.451, 20.033) contains.

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Color

CIELCh(65, 7.450, 20.045)

Conversions

Conversions Part 1

Format	Color
Hex	AC9999
RGB	172, 153, 153
RGB Percent	67%, 60%, 60%
CMY	0.3239, 0.3984, 0.3984
CMYK	0.00, 0.11, 0.11, 0.32
HSL	0°, 10%, 64%
HSV	0°, 11%, 68%
XYZ	34.3462, 34.0472, 35.0750
YIQ	158.6810, 11.3240, 4.0280

Conversions

Conversions Part 2

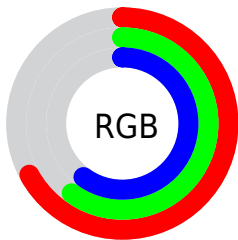
Format	Color
RYB	172, 153, 153
Decimal	11311513
CIELab	65.00, 7.00, 2.55
CIElCh	65, 7.450, 20.045
Yxy	34.0472, 0.3319, 0.3291
Android (android.graphics.Color)	4289501593 (0xFFAC9999)
YUV	158.6810, -2.8007, 11.6808
Hunter-Lab	58.3500, 2.9569, 5.2049

Details

The CIELCh color $65, 7.450, 20.045$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 6.953, 198.903$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 7.387, 19.883$, and $45, 7.639, 20.325$ is the 20% darker color. If you saturate the color by 10%, you get $60, 14.766, 20.915$, and if you desaturate by 10%, it is $70, 0.667, 18.742$.

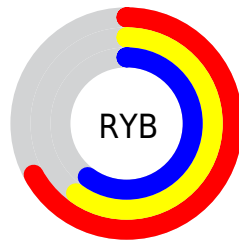
Distribution



Red (67%)

Green (60%)

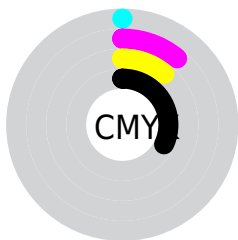
Blue (60%)



Red (67%)

Yellow (60%)

Blue (60%)

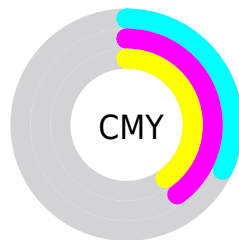


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (32%)



Cyan (32%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 7.450, 20.045 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 65, 7.450, 20.045 by changing the saturation by 10% instead.

 65, 7.450, 20.045  65, 7.450, 20.045

 100, 7.450, 20.045  55, 7.450, 20.045

 85, 7.450, 20.045  45, 7.450, 20.045

 95, 7.450, 20.045  35, 7.450, 20.045


 25, 7.450, 20.045

 15, 7.450, 20.045

 5, 7.450, 20.045

 0, 7.450, 20.045

 65, 7.450, 20.045  65, 7.450, 20.045

 60, 14.766, 20.915  70, 0.667, 18.742

■ 55, 22.621, 21.994

■ 75, 5.609, 199.068

■ 51, 30.970, 23.393

■ 80, 11.425,
198.623

■ 47, 39.701, 25.213

■ 85, 16.828,
198.288

■ 43, 48.620, 27.559

■ 40, 57.448, 30.496

■ 90, 21.867,
198.021

■ 38, 65.790, 33.929

■ 95, 26.097,
197.808

■ 36, 72.911, 37.353

■ 36, 77.892, 39.920

Harmonies

Complementary

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



65, 7.450, 20.045



69, 6.953, 198.903

Rectangle

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



65, 7.450, 20.045



65, 7.450, 70.045



65, 7.450, 200.045



65, 7.450, 250.045

Sweetspot

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



65, 7.449, 20.058



87, 2.435, 19.354



66, 12.787, 325.019



46, 1.849, 19.453



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 7.449, 20.058



81, 10.976, 20.234



67, 6.404, 74.045



34, 3.817, 19.924



31, 69.980, 39.449



2, 7.800, 19.417

Inverse Universe

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



69, 6.953, 198.903



87, 10.099, 198.779



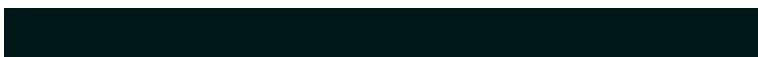
66, 6.239, 256.901



36, 3.603, 199.004



56, 33.799, 196.413



6, 7.799, 199.444

Previews

White Background



This preview shows how the CIELCh color 65, 7.450, 20.045 looks on a white background.

Color Contrast Check

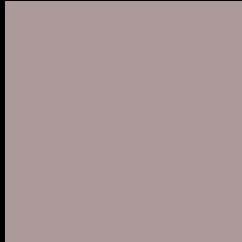
Large Text (above 18pt) WCAG AA × Fail

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 65, 7.450, 20.045 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 65, 7.450, 20.045

Background



This preview shows how black text looks on a background with the CIELCh color 65, 7.450, 20.045.



This preview shows how white text looks on a background with the CIELCh color 65, 7.450, 20.045.

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


65, 7.450, 20.045

Protanopia

65, 1.888, 55.189

Deuteranopia

65, 8.648, 16.519



Tritanopia
65, 10.763, 342.259

Trichromacy



Original Color
65, 7.450, 20.045

Protanomaly
65, 3.659, 37.186

Deuteranomaly
65, 8.250, 16.300

Tritanomaly
65, 8.658, 353.622

Monochromacy



Original Color
65, 7.450, 20.045

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 2.697, 19.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 7.450, 20.045 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(172, 153, 153)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 153)  
}
```

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(172, 153, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 7.450, 20.045 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(172, 153, 153) }
```

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

```
.border{ border-color:rgb(172, 153, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 153, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 153, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 153, 153);  
box-shadow:4px 4px 4px 4px rgb(172, 153,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 7.450, 20.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 153) }
```

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

```
.background{ background-color: rgb(172,  
153, 153) }
```

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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