

Converting Colors

CIELCh(50, 1.790, 163.595)

Have a look what the booklet for
CIELCh(50, 1.790, 163.595) contains.

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Color

CIELCh(50, 1.993, 163.532)

Conversions

Conversions Part 1

Format	Color
Hex	747876
RGB	116, 120, 118
RGB Percent	45%, 47%, 46%
CMY	0.5455, 0.5298, 0.5377
CMYK	0.03, 0.00, 0.02, 0.53
HSL	150°, 2%, 46%
HSV	150°, 3%, 47%
XYZ	17.1559, 18.4187, 19.7575
YIQ	118.5760, -1.7420, -1.4700

Conversions

Conversions Part 2

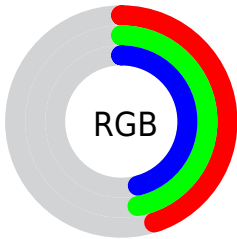
Format	Color
R _Y B	116, 119, 120
Decimal	7633014
CIE Lab	50.00, -1.91, 0.56
CIE LCh	50, 1.993, 163.532
Yxy	18.4187, 0.3101, 0.3329
Android (android.graphics.Color)	4285823094 (0xFF747876)
YUV	118.5760, -0.2840, -2.2592
Hunter-Lab	42.9170, -3.7499, 2.7467

Details

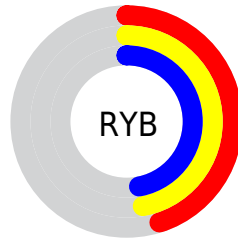
The CIELCh color $50, 1.993, 163.532$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 2.011, 343.758$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 1.865, 163.659$, and $30, 2.181, 163.335$ is the 20% darker color. If you saturate the color by 10%, you get $49, 7.993, 162.591$, and if you desaturate by 10%, it is $51, 3.980, 344.058$.

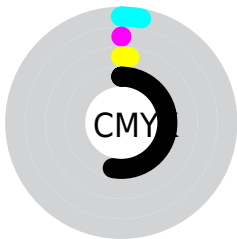
Distribution



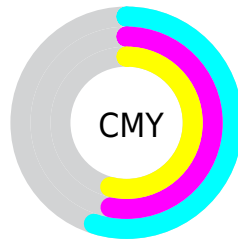
- Red (45%)
- Green (47%)
- Blue (46%)



- Red (45%)
- Yellow (47%)
- Blue (47%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (53%)



- Cyan (55%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 1.993, 163.532 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 50, 1.993, 163.532 by changing the saturation by 10% instead.

■ 50, 1.993, 163.532

■ 50, 1.993, 163.532

■ 100, 1.993,
163.532

■ 40, 1.993, 163.532

■ 70, 1.993, 163.532

■ 30, 1.993, 163.532

■ 80, 1.993, 163.532

■ 20, 1.993, 163.532

■ 90, 1.993, 163.532

■ 10, 1.993, 163.532

■ 0, 1.993, 163.532

■ 50, 1.993, 163.532

■ 50, 1.993, 163.532

■ 49, 7.993, 162.591

■ 51, 3.980, 344.058

■ 48, 13.954,
161.668

■ 52, 9.885, 344.788

■ 54, 15.683,

■ 47, 19.805,
160.650

345.434

■ 46, 25.459,
159.514

■ 55, 21.353,
346.031

■ 46, 30.823,
158.235

■ 57, 26.877,
346.587

■ 45, 35.806,
156.793

■ 58, 32.248,
347.108

■ 45, 40.329,
155.169

■ 60, 37.462,
347.600

■ 44, 44.335,
153.351

■ 62, 42.520,
348.065

■ 44, 47.815,
151.350

■ 64, 47.425,
348.506

Harmonies

Complementary

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



50, 1.993, 163.532



49, 2.011, 343.758

Rectangle

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



50, 1.993, 163.532



50, 1.993, 213.532



50, 1.993, 343.532



50, 1.993, 33.532

Sweetspot

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



50, 1.994, 163.518



64, 0.735, 164.016



50, 2.465, 128.376



34, 0.421, 164.059



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 1.994, 163.518



64, 2.960, 163.432



50, 1.594, 198.064



26, 1.713, 163.386



46, 51.624, 149.967



88, 89.273, 148.653

Inverse Universe

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



49, 2.011, 343.758



62, 2.985, 343.844



49, 1.626, 17.990



25, 1.728, 343.890



26, 50.116, 0.433



54, 83.991, 2.894

Previews

White Background



This preview shows how the CIELCh color 50, 1.993, 163.532 looks on a white background.

Color Contrast Check

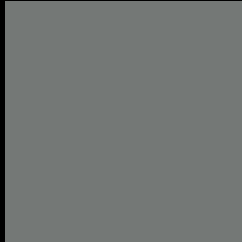
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 1.993, 163.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

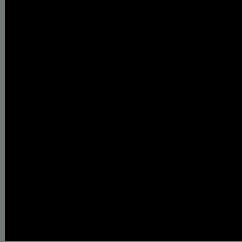
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

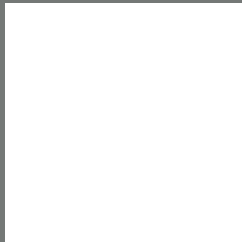
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 1.993, 163.532

Background



This preview shows how black text looks on a background with the CIELCh color 50, 1.993, 163.532.



This preview shows how white text looks on a background with the CIELCh color 50, 1.993, 163.532.

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


50, 1.993, 163.532

Protanopia

50, 1.342, 45.007

Deuteranopia

50, 6.560, 359.330



Tritanopia
50, 5.864, 287.151

Trichromacy



Original Color

50, 1.993, 163.532

Protanomaly

50, 1.161, 109.988

Deuteranomaly

50, 3.458, 359.989

Tritanomaly

50, 3.019, 275.460

Monochromacy



Original Color

50, 1.993, 163.532

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 0.995, 163.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 1.993, 163.532 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(116, 120, 118)` looks like.

```
.text, #text, p{  
    color:rgb(116, 120, 118)  
}
```

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(116, 120, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 120, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 1.993, 163.532 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(116, 120, 118) }
```

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

```
.border{ border-color:rgb(116, 120, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 120, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 120, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 120, 118);  
box-shadow:4px 4px 4px 4px rgb(116, 120,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 1.993, 163.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 120, 118) }
```

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

```
.background{ background-color: rgb(116,  
120, 118) }
```

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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