

Converting Colors

CIELCh(49, 8.105, 164.411)

Have a look what the booklet for
CIELCh(49, 8.105, 164.411) contains.

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Color

CIELCh(49, 7.995, 162.605)

Conversions

Conversions Part 1

Format	Color
Hex	687870
RGB	104, 120, 112
RGB Percent	41%, 47%, 44%
CMY	0.5916, 0.5288, 0.5602
CMYK	0.13, 0.00, 0.07, 0.53
HSL	150°, 7%, 44%
HSV	150°, 13%, 47%
XYZ	15.3934, 17.5941, 17.9572
YIQ	114.3040, -6.9680, -5.8800

Conversions

Conversions Part 2

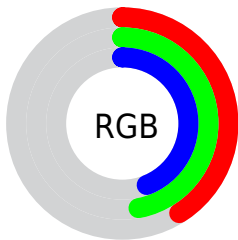
Format	Color
R_{YB}	104, 115, 120
Decimal	6846576
CIE Lab	49.00, -7.63, 2.39
CIE LCh	49, 7.995, 162.605
Yxy	17.5941, 0.3022, 0.3454
Android (android.graphics.Color)	4285036656 (0xFF687870)
YUV	114.3040, -1.1359, -9.0366
Hunter-Lab	41.9453, -7.8970, 3.9791

Details

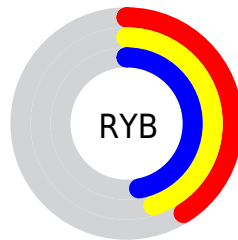
The CIELCh color $49, 7.995, 162.605$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 8.128, 344.693$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 7.788, 164.480$, and $29, 8.391, 160.332$ is the 20% darker color. If you saturate the color by 10%, you get $48, 13.967, 161.678$, and if you desaturate by 10%, it is $50, 1.988, 163.530$.

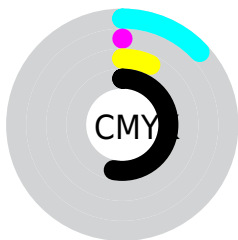
Distribution



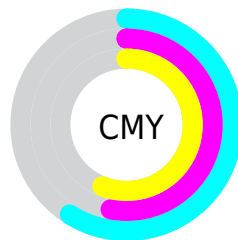
- Red (41%)
- Green (47%)
- Blue (44%)



- Red (41%)
- Yellow (45%)
- Blue (47%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (53%)



- Cyan (59%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 7.995, 162.605 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 49, 7.995, 162.605 by changing the saturation by 10% instead.

■ 49, 7.995, 162.605

■ 49, 7.995, 162.605

■ 100, 7.995,
162.605

■ 39, 7.995, 162.605

■ 69, 7.995, 162.605

■ 29, 7.995, 162.605

■ 79, 7.995, 162.605

■ 19, 7.995, 162.605

■ 89, 7.995, 162.605

■ 9, 7.995, 162.605

■ 99, 7.995, 162.605

■ 0, 7.995, 162.605

■ 49, 7.995, 162.605

■ 49, 7.995, 162.605

■ 48, 13.967,
161.678

■ 50, 1.988, 163.530

■ 47, 19.827,

■ 51, 3.997, 344.069

160.660

53, 9.910, 344.799

46, 25.490,
159.524

54, 15.718,
345.445

46, 30.863,
158.245

55, 21.397,
346.042

45, 35.855,
156.803

57, 26.930,
346.598

45, 40.384,
155.178

59, 32.309,
347.120

44, 44.396,
153.360

60, 37.531,
347.612

44, 47.881,
151.357

62, 42.597,
348.077

44, 50.082,
150.078

Harmonies

Complementary

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



49, 7.995, 162.605



46, 8.128, 344.693

Rectangle

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



49, 7.995, 162.605



49, 7.995, 212.605



49, 7.995, 342.605



49, 7.995, 32.605

Sweetspot

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



49, 7.996, 162.602



64, 2.960, 163.442



49, 9.892, 127.917



33, 2.121, 163.375



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 7.996, 162.602



62, 11.862, 162.326



49, 6.234, 197.335



25, 3.432, 162.976



46, 51.615, 149.976



88, 89.256, 148.662

Inverse Universe

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



46, 8.128, 344.693



57, 12.099, 344.968



46, 6.744, 18.857



24, 3.473, 344.319



26, 50.114, 0.449



54, 83.989, 2.911

Previews

White Background



This preview shows how the CIELCh color 49, 7.995, 162.605 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 × Fail

Black Background



This preview shows how the CIE LCh color 49, 7.995, 162.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

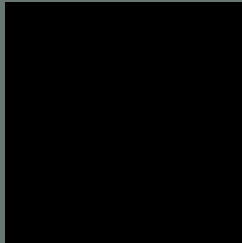
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

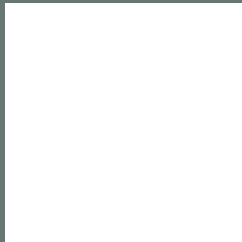
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 7.995, 162.605

Background



This preview shows how black text looks on a background with the CIELCh color 49, 7.995, 162.605.



This preview shows how white text looks on a background with the CIELCh color 49, 7.995, 162.605.

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

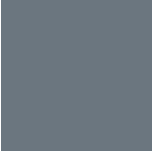
49, 7.995, 162.605

Protanopia

49, 3.869, 84.366

Deuteranopia

49, 6.715, 10.143



Tritanopia
49, 6.664, 251.816

Trichromacy



Original Color
49, 7.995, 162.605

Protanomaly
49, 4.423, 131.310

Deuteranomaly
49, 2.003, 55.151

Tritanomaly
49, 5.300, 218.417

Monochromacy



Original Color
49, 7.995, 162.605

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.012, 163.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 7.995, 162.605 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(104, 120, 112)` looks like.

```
.text, #text, p{  
    color:rgb(104, 120, 112)  
}
```

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(104, 120, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 120, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 7.995, 162.605 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(104, 120, 112) }
```

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

```
.border{ border-color:rgb(104, 120, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 120, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 120, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 120, 112);  
box-shadow:4px 4px 4px 4px rgb(104, 120,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 7.995, 162.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 120, 112) }
```

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

```
.background{ background-color: rgb(104,  
120, 112) }
```

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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