

Converting Colors

XYZ(48.2639, 49.5905, 74.4075)

Have a look what the booklet for
XYZ(48.2639, 49.5905, 74.4075)
contains.

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Color

**XYZ(48.1564, 49.3991,
74.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBADC
RGB	175, 186, 220
RGB Percent	69%, 73%, 86%
CMY	0.3137, 0.2706, 0.1373
CMYK	0.20, 0.15, 0.00, 0.14
HSL	225°, 39%, 77%
HSV	225°, 20%, 86%
XYZ	48.1564, 49.3991, 74.7070
YIQ	186.5870, -17.4700, 8.2420

Conversions

Conversions Part 2

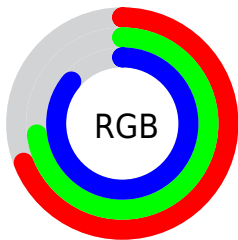
Format	Color
RYB	175, 184, 220
Decimal	11516636
CIELab	75.70, 3.35, -18.30
CIELCh	76, 18.602, 280.375
Yxy	49.3991, 0.2796, 0.2868
Android (android.graphics.Color)	4289706716 (0xFFAFBADC)
YUV	186.5870, 16.4726, -10.1618
Hunter-Lab	70.2845, -0.6961, -13.8216

Details

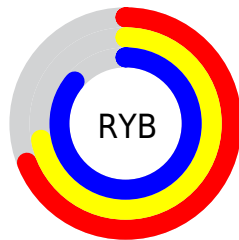
The XYZ color **48.1564, 49.3991, 74.7070** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.0540, 63.9118, 49.7298**, and the grayscale version is **46.9201, 49.3636, 53.7570**.

A 20% lighter version of the original color is **82.7571, 87.7132, 107.1763**, and **23.2051, 23.6292, 38.9352** is the 20% darker color. If you saturate the color by 10%, you get **40.3150, 40.4584, 73.3954**, and if you desaturate by 10%, it is **57.2126, 59.5732, 76.1943**.

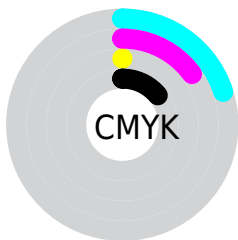
Distribution



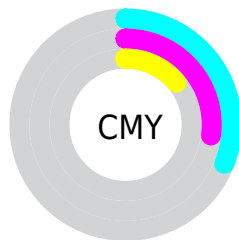
- Red (69%)
- Green (73%)
- Blue (86%)



- Red (69%)
- Yellow (72%)
- Blue (86%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (31%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1564, 49.3991, 74.7070 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 XYZ color 48.1564, 49.3991, 74.7070 by changing the saturation by 10% instead.

■ 48.1564, 49.3991,
74.7070

■ 48.1564, 49.3991,
74.7070

369.9840,
384.3114, 496.1384

■ 34.1625, 34.9362,
54.8726

■ 86.6455, 89.2839,
127.6408

■ 23.1820, 23.6137,
38.9018

111.8715,
115.4746, 161.5773

■ 14.8494, 15.0473,
26.3761

141.5721,
146.3433, 201.0515

■ 8.7994, 8.8526,
16.8769

176.1129,
182.2745, 246.4821

■ 4.6666, 4.6452,
9.9858

215.8591,
223.6525, 298.2876

■ 2.0857, 2.0406,
5.2840

261.1761,

■ 0.6814, 0.6309,

270.8617, 356.8864

2.3532

312.4293,
324.2865, 422.6972

■ 0.0000, 0.0000,
0.7608

■ 0.0000, 0.0000,
0.0000

■ 48.1564, 49.3991,
74.7070

■ 48.1564, 49.3991,
74.7070

■ 40.3150, 40.4584,
73.3954

■ 57.2126, 59.5732,
76.1943

■ 33.6310, 32.6972,
72.2496

■ 67.5286, 71.0198,
77.8600

■ 28.0492, 26.0664,
71.2639

■ 79.1526, 83.7837,
79.7110

■ 23.5078, 20.5111,
70.4310

■ 89.1228, 96.3562,
81.6123

■ 19.9385, 15.9712,
69.7428

■ 89.9184, 97.9474,
81.8775

■ 17.2646, 12.3806,
69.1907

■ 15.3963, 9.6640,
68.7648

■ 14.2277, 7.7859,
68.4639

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7609, 49.3991, 73.7249



48.1564, 49.3991, 74.7070



51.3789, 49.3991, 69.5858

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.1564, 49.3991, 74.7070



52.1858, 49.3991, 42.4021



40.9810, 49.3991, 47.6595

Complementary

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



48.1564, 49.3991, 74.7070



60.0540, 63.9118, 49.7298

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.7876, 49.3991, 40.5814



48.1564, 49.3991, 74.7070



49.2142, 49.3991, 37.8132

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.1564, 49.3991, 74.7070



53.7797, 49.3991, 50.4400



45.7686, 49.3991, 37.1901



40.7288, 49.3991, 57.2794

Rectangle

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



48.1564, 49.3991, 74.7070



52.9540, 49.3991, 63.7285



45.7686, 49.3991, 37.1901



41.4223, 49.3991, 44.9376

Sweetspot

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



48.1579, 49.4011, 74.7081



86.0660, 90.0580, 107.4545



54.7511, 64.8924, 69.8002



18.2209, 19.0531, 22.9672



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.1579, 49.4011, 74.7081



61.8719, 62.8750, 103.4828



48.5599, 46.2990, 74.0882



12.5960, 13.1317, 16.5229



8.4236, 4.7166, 40.2048



0.6134, 0.4409, 2.6272

Inverse Universe

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



53.7094, 49.4221, 53.1652



71.1678, 63.1277, 67.3603



59.5558, 67.8013, 50.5068



13.1859, 13.1035, 14.2403



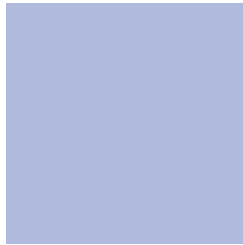
17.7472, 9.0999, 3.0487



1.1839, 0.6032, 0.3774

Previews

White Background



This preview shows how the XYZ color 48.1564, 49.3991, 74.7070 looks on a white background.

Color Contrast Check

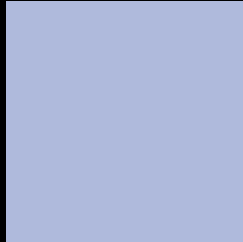
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 48.1564, 49.3991, 74.7070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

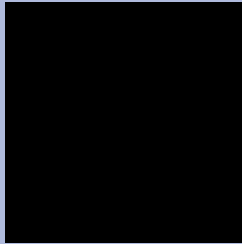
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1564, 49.3991, 74.7070

Background



This preview shows how black text looks on a background with the XYZ color 48.1564, 49.3991, 74.7070.



This preview shows how white text looks on a background with the XYZ color 48.1564, 49.3991,

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

48.1564, 49.3991, 74.7070

Protanopia

48.9575, 49.5157, 73.9950

Deuteranopia

50.5181, 49.3677, 75.2729



Tritanopia

46.1099, 49.5255, 64.2559

Trichromacy



Original Color

48.1564, 49.3991, 74.7070

Protanomaly

48.4952, 49.2774, 73.9733

Deuteranomaly

49.5131, 49.1547, 75.2848

Tritanomaly

46.8497, 49.5038, 68.0587

Monochromacy



Original Color

48.1564, 49.3991, 74.7070

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.6076, 49.7314, 61.1228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1564, 49.3991, 74.7070 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(175, 186, 220)` looks like.

```
.text, #text, p{  
    color:rgb(175, 186, 220)  
}
```

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(175, 186, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 186, 220) }
```

Border

The CSS property to change the border of an element to XYZ 48.1564, 49.3991, 74.7070 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(175, 186, 220) }
```


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

```
.border{ border-color:rgb(175, 186, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 186, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 186, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 186, 220);  
box-shadow:4px 4px 4px 4px rgb(175, 186,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1564, 49.3991, 74.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 186, 220) }
```

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

```
.background{ background-color: rgb(175,  
186, 220) }
```

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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