

Converting Colors

XYZ(47.9908, 49.3983, 74.7168)

Have a look what the booklet for
XYZ(47.9908, 49.3983, 74.7168)
contains.

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Color

**XYZ(47.9327, 49.2838,
74.6965)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBADC
RGB	174, 186, 220
RGB Percent	68%, 73%, 86%
CMY	0.3176, 0.2706, 0.1373
CMYK	0.21, 0.15, 0.00, 0.14
HSL	224°, 40%, 77%
HSV	224°, 21%, 86%
XYZ	47.9327, 49.2838, 74.6965
YIQ	186.2880, -18.0660, 8.0300

Conversions

Conversions Part 2

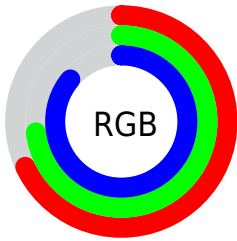
Format	Color
RYB	174, 184, 220
Decimal	11451100
CIELab	75.63, 3.04, -18.41
CIELCh	76, 18.662, 279.374
Yxy	49.2838, 0.2788, 0.2867
Android (android.graphics.Color)	4289641180 (0xFFFAEBADC)
YUV	186.2880, 16.6200, -10.7766
Hunter-Lab	70.2024, -0.9783, -13.9438

Details

The XYZ color **47.9327, 49.2838, 74.6965** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.7114, 63.3833, 49.1326**, and the grayscale version is **46.7517, 49.1865, 53.5641**.

A 20% lighter version of the original color is **82.4353, 87.5473, 107.1612**, and **23.0642, 23.5566, 38.9286** is the 20% darker color. If you saturate the color by 10%, you get **40.1945, 40.4966, 73.4090**, and if you desaturate by 10%, it is **56.8665, 59.2685, 76.1537**.

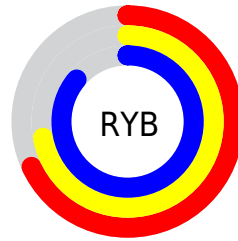
Distribution



Red (68%)

Green (73%)

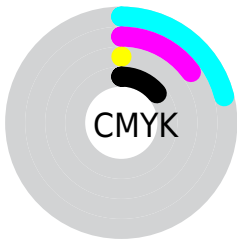
Blue (86%)



Red (68%)

Yellow (72%)

Blue (86%)

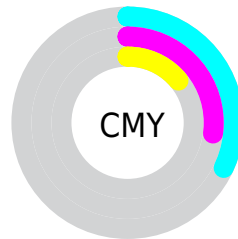


Cyan (21%)

Magenta (15%)

Yellow (0%)

Black (14%)



Cyan (32%)

Magenta (27%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9327, 49.2838, 74.6965 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 47.9327, 49.2838, 74.6965 by changing the saturation by 10% instead.

■ 47.9327, 49.2838,
74.6965

■ 47.9327, 49.2838,
74.6965

369.1123,
383.8585, 496.1013

■ 33.9846, 34.8447,
54.8641

■ 86.3145, 89.1128,
127.6258

■ 23.0446, 23.5432,
38.8950

111.4789,
115.2715, 161.5597

■ 14.7473, 14.9951,
26.3709

141.1128,
146.1054, 201.0312

■ 8.7274, 8.8160,
16.8730

175.5816,
181.9991, 246.4589

■ 4.6195, 4.6213,
9.9830

215.2506,
223.3368, 298.2611

■ 2.0582, 2.0269,
5.2822

260.4851,

■ 0.6664, 0.6230,

270.5030, 356.8566

2.3522

311.6506,
323.8821, 422.6638

■ 0.0000, 0.0000,
0.7602

■ 0.0000, 0.0000,
0.0000

■ 47.9327, 49.2838,
74.6965

■ 47.9327, 49.2838,
74.6965

■ 40.1945, 40.4966,
73.4090

■ 56.8665, 59.2685,
76.1537

■ 33.5953, 32.8546,
72.2818

■ 67.0401, 70.4882,
77.7831

■ 28.0806, 26.3108,
71.3094

■ 78.5010, 82.9861,
79.5914

■ 23.5894, 20.8119,
70.4847

■ 88.6693, 95.4491,
81.4611

■ 20.0544, 16.3004,
69.8002

■ 89.9184, 97.9474,
81.8774

■ 17.3996, 12.7123,
69.2476

■ 15.5362, 9.9747,
68.8174

■ 14.4015, 8.1335,
68.5218

Harmonies

Analogous

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



44.5424, 49.2838, 73.4999



47.9327, 49.2838, 74.6965



51.1827, 49.2838, 69.7454

Triad

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



47.9327, 49.2838, 74.6965



52.1655, 49.2838, 42.4791



40.8990, 49.2838, 47.2376

Complementary

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



47.9327, 49.2838, 74.6965



59.7114, 63.3833, 49.1326

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.



42.7554, 49.2838, 40.2627



47.9327, 49.2838, 74.6965



49.2210, 49.2838, 37.7588

Square

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



47.9327, 49.2838, 74.6965



53.7045, 49.2838, 50.6233



45.7695, 49.2838, 37.0006



40.5920, 49.2838, 56.8192

Rectangle

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



47.9327, 49.2838, 74.6965



52.7922, 49.2838, 63.9441



45.7695, 49.2838, 37.0006



41.3580, 49.2838, 44.5452

Sweetspot

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



47.9342, 49.2858, 74.6976



86.1415, 90.2090, 107.4797



54.4021, 64.7269, 69.1298



18.2387, 19.0887, 22.9731



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.



47.9342, 49.2858, 74.6976



62.1262, 63.3837, 103.5676



47.9987, 45.7217, 74.0063



12.6136, 13.1669, 16.5288



8.5293, 4.9280, 40.2401



0.6224, 0.4588, 2.6302

Inverse Universe

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



53.5154, 49.0341, 53.1006



71.2962, 63.1791, 68.0363



59.6041, 67.8375, 49.9980



13.1948, 13.1070, 14.2871



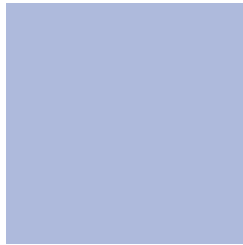
17.8005, 9.1212, 3.3296



1.1884, 0.6050, 0.4012

Previews

White Background



This preview shows how the XYZ color 47.9327, 49.2838, 74.6965 looks on a white background.

Color Contrast Check

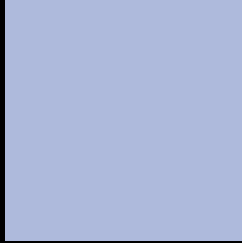
Large Text (above 18pt) WCAG AA × Fail

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 47.9327, 49.2838, 74.6965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

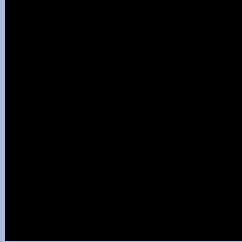
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9327, 49.2838, 74.6965

Background



This preview shows how black text looks on a background with the XYZ color 47.9327, 49.2838, 74.6965.

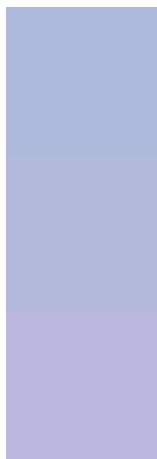


This preview shows how white text looks on a background with the XYZ color 47.9327, 49.2838,

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

47.9327, 49.2838, 74.6965

Protanopia

48.7256, 49.3961, 73.9841

Deuteranopia

50.2726, 49.2412, 75.2615



Tritanopia

45.8913, 49.4128, 64.2456

Trichromacy



Original Color

47.9327, 49.2838, 74.6965

Protanomaly

48.2666, 49.1595, 73.9626

Deuteranomaly

49.2760, 49.0325, 75.2737

Tritanomaly

46.6293, 49.3902, 68.0484

Monochromacy



Original Color

47.9327, 49.2838, 74.6965

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.0434, 49.1401, 60.4316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9327, 49.2838, 74.6965 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(174, 186, 220)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 186, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 186, 220) }
```

Border

The CSS property to change the border of an element to XYZ 47.9327, 49.2838, 74.6965 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(174, 186, 220) }
```


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

```
.border{ border-color:rgb(174, 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(174, 186, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 186, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 186, 220);  
box-shadow:4px 4px 4px 4px rgb(174, 186,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9327, 49.2838, 74.6965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 186, 220) }
```

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

```
.background{ background-color: rgb(174,  
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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