

Converting Colors

XYZ(47.1118, 48.2097, 75.8575)

Have a look what the booklet for
XYZ(47.1118, 48.2097, 75.8575)
contains.

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Color

**XYZ(47.1199, 48.2128,
75.9298)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB8DE
RGB	171, 184, 222
RGB Percent	67%, 72%, 87%
CMY	0.3294, 0.2784, 0.1294
CMYK	0.23, 0.17, 0.00, 0.13
HSL	225°, 44%, 77%
HSV	225°, 23%, 87%
XYZ	47.1199, 48.2128, 75.9298
YIQ	184.4450, -19.9460, 9.0620

Conversions

Conversions Part 2

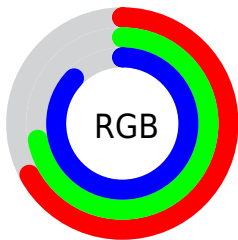
Format	Color
RYB	171, 181, 222
Decimal	11253982
CIELab	74.96, 3.66, -20.53
CIELCh	75, 20.854, 280.106
Yxy	48.2128, 0.2751, 0.2815
Android (android.graphics.Color)	4289444062 (0xFFABB8DE)
YUV	184.4450, 18.5146, -11.7913
Hunter-Lab	69.4354, -0.3793, -16.2306

Details

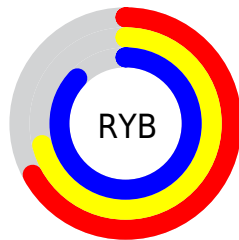
The XYZ color **47.1199, 48.2128, 75.9298** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.2760, 64.0712, 47.7195**, and the grayscale version is **45.7159, 48.0967, 52.3773**.

A 20% lighter version of the original color is **80.8886, 85.8711, 106.9192**, and **22.5626, 22.8742, 39.7852** is the 20% darker color. If you saturate the color by 10%, you get **39.4471, 39.4524, 74.6441**, and if you desaturate by 10%, it is **56.0096, 58.1993, 77.3896**.

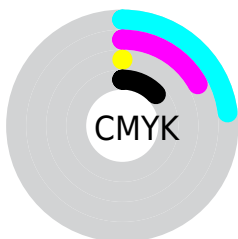
Distribution



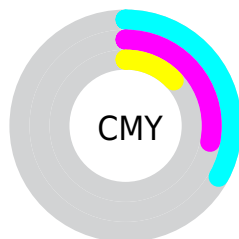
- Red (67%)
- Green (72%)
- Blue (87%)



- Red (67%)
- Yellow (71%)
- Blue (87%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1199, 48.2128, 75.9298 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 47.1199, 48.2128, 75.9298 by changing the saturation by 10% instead.

■ 47.1199, 48.2128,
75.9298

■ 47.1199, 48.2128,
75.9298

365.9338,
379.6350, 500.4478

■ 33.3388, 33.9954,
55.8686

■ 85.1102, 87.5212,
129.3868

■ 22.5466, 22.8901,
39.6943

110.0501,
113.3809, 163.6198

■ 14.3779, 14.5124,
26.9883

139.4404,
143.8903, 203.4138

■ 8.4674, 8.4779,
17.3321

173.6463,
179.4337, 249.1873

■ 4.4498, 4.4022,
10.3071

213.0333,
220.3955, 301.3589

■ 1.9596, 1.9010,
5.4948

257.9666,

■ 0.6111, 0.5490,

267.1600, 360.3472

2.4766

308.8117,
320.1117, 426.5706

■ 0.0000, 0.0000,
0.8277

■ 0.0000, 0.0000,
0.0000

■ 47.1199, 48.2128,
75.9298

■ 47.1199, 48.2128,
75.9298

■ 39.4471, 39.4524,
74.6441

■ 56.0096, 58.1993,
77.3896

■ 32.9324, 31.8638,
73.5227

■ 66.1626, 69.4517,
79.0265

■ 27.5187, 25.3971,
72.5598

■ 77.6281, 82.0152,
80.8472

■ 23.1420, 19.9964,
71.7481

■ 88.6623, 95.0086,
82.7736

■ 19.7315, 15.6005,
71.0793

■ 90.1850, 98.0540,
83.2811

■ 17.2066, 12.1416,
70.5448

■ 15.4723, 9.5415,
70.1343

■ 14.6282, 8.1603,
69.9122

Harmonies

Analogous

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



43.3813, 48.2128, 74.7530



47.1199, 48.2128, 75.9298



50.6987, 48.2128, 70.1978

Triad

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



47.1199, 48.2128, 75.9298



51.6484, 48.2128, 40.1273



39.2870, 48.2128, 45.6868

Complementary

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



47.1199, 48.2128, 75.9298



60.2760, 64.0712, 47.7195

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.



41.2737, 48.2128, 38.0516



47.1199, 48.2128, 75.9298



48.3585, 48.2128, 35.1628

Square

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



47.1199, 48.2128, 75.9298



53.4074, 48.2128, 48.9060



44.5537, 48.2128, 34.4595



38.9962, 48.2128, 56.2566

Rectangle

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



47.1199, 48.2128, 75.9298



52.4611, 48.2128, 63.6403



44.5537, 48.2128, 34.4595



39.7732, 48.2128, 42.7344

Sweetspot

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



47.1214, 48.2147, 75.9309



84.6882, 88.5765, 107.2412



54.3514, 65.4753, 69.7073



17.9444, 18.7571, 22.9247



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.



47.1214, 48.2147, 75.9309



58.7956, 59.5092, 102.9953



47.2536, 44.4561, 75.1984



13.2346, 13.8084, 17.3554



8.7644, 4.9983, 41.5512



0.6786, 0.4887, 2.9038

Inverse Universe

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



53.3401, 48.1175, 51.8257



68.9347, 59.6299, 63.6308



60.0798, 68.9001, 48.6619



13.8499, 13.7576, 14.9797



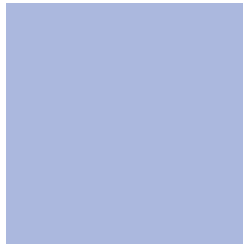
18.3641, 9.4126, 3.3169



1.3088, 0.6668, 0.4189

Previews

White Background



This preview shows how the XYZ color 47.1199, 48.2128, 75.9298 looks on a white background.

Color Contrast Check

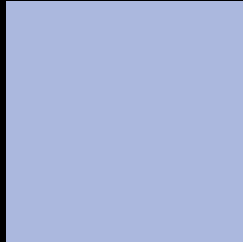
Large Text (above 18pt) WCAG AA × Fail

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 47.1199, 48.2128, 75.9298 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 47.1199, 48.2128, 75.9298

Background



This preview shows how black text looks on a background with the XYZ color 47.1199, 48.2128, 75.9298.



This preview shows how white text looks on a background with the XYZ color 47.1199, 48.2128,

75.9298.

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

47.1199, 48.2128, 75.9298

Protanopia

47.8891, 48.3175, 75.2088

Deuteranopia

49.1690, 48.0375, 76.4927



Tritanopia

44.3673, 48.0204, 62.8076

Trichromacy



Original Color

47.1199, 48.2128, 75.9298

Protanomaly

47.4402, 48.0861, 75.1878

Deuteranomaly

48.4336, 47.9592, 76.5164

Tritanomaly

45.2160, 48.0461, 67.2123

Monochromacy



Original Color

47.1199, 48.2128, 75.9298

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.9239, 47.9419, 60.2593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1199, 48.2128, 75.9298 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(171, 184, 222)` looks like.

```
.text, #text, p{  
    color:rgb(171, 184, 222)  
}
```

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(171, 184, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 184, 222) }
```

Border

The CSS property to change the border of an element to XYZ 47.1199, 48.2128, 75.9298 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(171, 184, 222) }
```


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

```
.border{ border-color:rgb(171, 184, 222) }
```

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

Here you see how a box with a 4 pixel rgb(171, 184, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 184, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 184, 222);  
box-shadow:4px 4px 4px 4px rgb(171, 184,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1199, 48.2128, 75.9298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 184, 222) }
```

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

```
.background{ background-color: rgb(171,  
184, 222) }
```

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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