

Converting Colors

XYZ(49.3661, 48.4598, 78.7353)

Have a look what the booklet for
XYZ(49.3661, 48.4598, 78.7353)
contains.

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Color

**XYZ(49.3074, 48.3625,
78.6876)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B5E2
RGB	181, 181, 226
RGB Percent	71%, 71%, 89%
CMY	0.2902, 0.2902, 0.1137
CMYK	0.20, 0.20, 0.00, 0.11
HSL	240°, 44%, 80%
HSV	240°, 20%, 89%
XYZ	49.3074, 48.3625, 78.6876
YIQ	186.1300, -14.4450, 13.9950

Conversions

Conversions Part 2

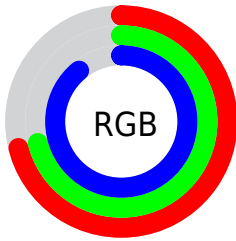
Format	Color
RYB	181, 181, 226
Decimal	11908578
CIELab	75.05, 9.29, -22.49
CIELCh	75, 24.332, 292.433
Yxy	48.3625, 0.2796, 0.2742
Android (android.graphics.Color)	4290098658 (0xFFB5B5E2)
YUV	186.1300, 19.6559, -4.4990
Hunter-Lab	69.5432, 4.8593, -18.4060

Details

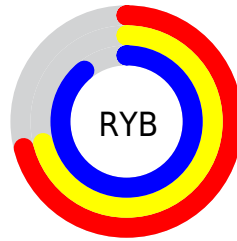
The XYZ color **49.3074, 48.3625, 78.6876** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.9013, 73.8977, 54.4550**, and the grayscale version is **46.6453, 49.0745, 53.4422**.

A 20% lighter version of the original color is **83.2592, 85.7929, 106.7792**, and **23.9719, 22.9678, 41.6979** is the 20% darker color. If you saturate the color by 10%, you get **40.2034, 37.3930, 77.0509**, and if you desaturate by 10%, it is **60.0193, 61.2697, 80.6152**.

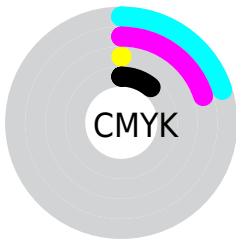
Distribution



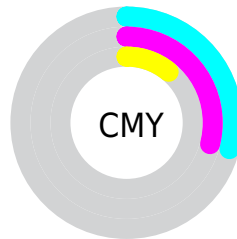
- Red (71%)
- Green (71%)
- Blue (89%)



- Red (71%)
- Yellow (71%)
- Blue (89%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3074, 48.3625, 78.6876 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 49.3074, 48.3625, 78.6876 by changing the saturation by 10% instead.

■ 49.3074, 48.3625,
78.6876

■ 49.3074, 48.3625,
78.6876

374.4481,
380.2272, 510.0885

■ 35.0789, 34.1140,
58.1192

■ 88.3458, 87.7439,
133.3136

■ 23.8905, 22.9812,
41.4891

113.8865,
113.6456, 168.2084

■ 15.3767, 14.5796,
28.3789

143.9286,
144.2005, 208.7156

■ 9.1722, 8.5249,
18.3700

178.8375,
179.7931, 255.2539

■ 4.9117, 4.4326,
11.0437

218.9785,
220.8076, 308.2418

■ 2.2298, 1.9184,
5.9817

264.7171,

■ 0.7584, 0.5594,

267.6286, 368.0979

2.7654

316.4185,
320.6403, 435.2406

■ 0.0000, 0.0000,
0.9761

■ 0.0000, 0.0000,
0.0000

■ 49.3074, 48.3625,
78.6876

■ 49.3074, 48.3625,
78.6876

■ 40.2034, 37.3930,
77.0509

■ 60.0193, 61.2697,
80.6152

■ 32.6256, 28.2623,
75.6879

■ 72.4067, 76.1956,
82.8432

■ 26.4918, 20.8715,
74.5846

■ 86.5388, 93.2236,
85.3851

■ 21.7104, 15.1101,
73.7246

■ 90.7276, 98.2710,
86.1386

■ 18.1792, 10.8552,
73.0894

■ 15.7816, 7.9662,
72.6581

■ 14.3790, 6.2761,
72.4058

■ 13.7324, 5.4969,
72.2895

■ 13.7277, 5.4912,
72.2887

Harmonies

Analogous

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



44.8505, 48.3625, 80.8503



49.3074, 48.3625, 78.6876



53.0822, 48.3625, 69.0417

Triad

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



49.3074, 48.3625, 78.6876



51.3791, 48.3625, 35.5375



38.0023, 48.3625, 49.4997

Complementary

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



49.3074, 48.3625, 78.6876



66.9013, 73.8977, 54.4550

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.



39.5180, 48.3625, 39.0967



49.3074, 48.3625, 78.6876



47.1021, 48.3625, 31.9251

Square

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



49.3074, 48.3625, 78.6876



54.3310, 48.3625, 43.8567



42.7812, 48.3625, 33.1141



38.5089, 48.3625, 62.5656

Rectangle

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



49.3074, 48.3625, 78.6876



54.6090, 48.3625, 60.3996



42.7812, 48.3625, 33.1141



38.2887, 48.3625, 45.6089

Sweetspot

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



49.3089, 48.3645, 78.6887



84.9554, 87.8368, 107.0843



59.8782, 69.6673, 81.7051



17.9594, 18.5301, 22.8801



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.



49.3089, 48.3645, 78.6887



59.4946, 57.1584, 102.5047



54.8130, 51.2015, 78.9462



12.9521, 13.2434, 17.2613



7.8316, 3.1327, 41.2403



0.5429, 0.2172, 2.8585

Inverse Universe

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



56.2296, 52.5540, 50.8985



70.2027, 63.6408, 59.5063



60.5083, 70.6026, 54.1559



13.7073, 13.7006, 14.2289



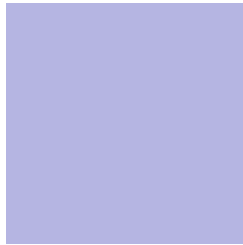
17.8932, 9.2243, 0.8376



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 49.3074, 48.3625, 78.6876 looks on a white background.

Color Contrast Check

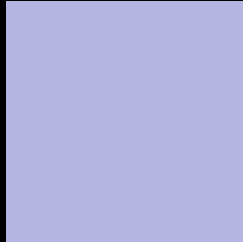
Large Text (above 18pt) WCAG AA × Fail

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 49.3074, 48.3625, 78.6876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

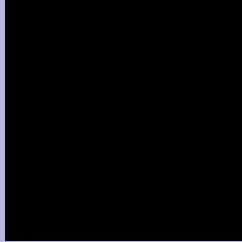
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3074, 48.3625, 78.6876

Background



This preview shows how black text looks on a background with the XYZ color 49.3074, 48.3625, 78.6876.



This preview shows how white text looks on a background with the XYZ color 49.3074, 48.3625,

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

49.3074, 48.3625, 78.6876

Protanopia

48.2542, 48.4117, 79.4742

Deuteranopia

49.5427, 48.4838, 78.6986



Tritanopia

45.8887, 48.5180, 61.5899

Trichromacy



Original Color

49.3074, 48.3625, 78.6876

Protanomaly

48.7245, 48.3491, 79.4373

Deuteranomaly

49.5427, 48.4838, 78.6986

Tritanomaly

47.0092, 48.3494, 67.1763

Monochromacy



Original Color

49.3074, 48.3625, 78.6876

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4503, 48.6884, 62.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3074, 48.3625, 78.6876 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(181, 181, 226)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 226)  
}
```

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(181, 181, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.3074, 48.3625, 78.6876 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(181, 181, 226) }
```


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

```
.border{ border-color:rgb(181, 181, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 226);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3074, 48.3625, 78.6876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 226) }
```

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

```
.background{ background-color: rgb(181,  
181, 226) }
```

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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