

Converting Colors

XYZ(48.9528, 47.7607, 77.4446)

Have a look what the booklet for
XYZ(48.9528, 47.7607, 77.4446)
contains.

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Color

**XYZ(49.0672, 47.9694,
77.1939)**

Conversions

Conversions Part 1

Format	Color
Hex	B6B4E0
RGB	182, 180, 224
RGB Percent	71%, 71%, 88%
CMY	0.2863, 0.2941, 0.1216
CMYK	0.19, 0.20, 0.00, 0.12
HSL	243°, 42%, 79%
HSV	243°, 20%, 88%
XYZ	49.0672, 47.9694, 77.1939
YIQ	185.6140, -12.9320, 14.1080

Conversions

Conversions Part 2

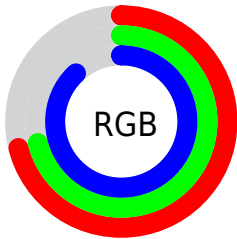
Format	Color
R _Y B	182, 180, 224
Decimal	11973856
CIE Lab	74.81, 9.70, -21.77
CIE LCh	75, 23.836, 294.008
Yxy	47.9694, 0.2816, 0.2753
Android (android.graphics.Color)	4290163936 (0xFFB6B4E0)
YUV	185.6140, 18.9243, -3.1695
Hunter-Lab	69.2599, 5.2534, -17.5999

Details

The XYZ color **49.0672, 47.9694, 77.1939** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.0196, 72.1374, 53.6791**, and the grayscale version is **46.3603, 48.7747, 53.1156**.

A 20% lighter version of the original color is **83.3053, 85.3880, 106.6986**, and **23.8041, 22.7104, 40.6651** is the 20% darker color. If you saturate the color by 10%, you get **40.2355, 37.2383, 75.5888**, and if you desaturate by 10%, it is **59.4038, 60.5634, 79.0808**.

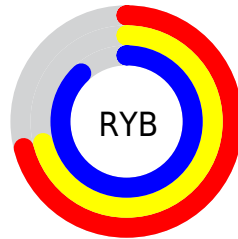
Distribution



Red (71%)

Green (71%)

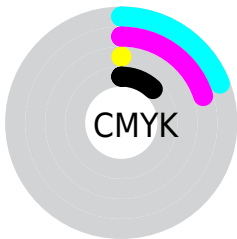
Blue (88%)



Red (71%)

Yellow (71%)

Blue (88%)

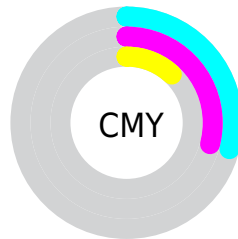


Cyan (19%)

Magenta (20%)

Yellow (0%)

Black (12%)



Cyan (29%)

Magenta (29%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0672, 47.9694, 77.1939 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 49.0672, 47.9694, 77.1939 by changing the saturation by 10% instead.

■ 49.0672, 47.9694,
77.1939

■ 49.0672, 47.9694,
77.1939

373.5194,
378.6708, 504.8801

■ 34.8875, 33.8027,
56.8995

■ 87.9914, 87.1588,
131.1887

■ 23.7424, 22.7420,
40.5157

113.4666,
112.9503, 165.7261

■ 15.2663, 14.4031,
27.6241

143.4377,
143.3855, 205.8484

■ 9.0940, 8.4016,
17.8059

178.2701,
178.8488, 251.9739

■ 4.8602, 4.3530,
10.6427

218.3291,
219.7246, 304.5213

■ 2.1994, 1.8729,
5.7160

263.9801,

■ 0.7424, 0.5320,

266.3973, 363.9091

2.6072

315.5884,
319.2512, 430.5559

■ 0.0000, 0.0000,
0.8962

■ 0.0000, 0.0000,
0.0000

■ 49.0672, 47.9694,
77.1939

■ 49.0672, 47.9694,
77.1939

■ 40.2355, 37.2383,
75.5888

■ 59.4038, 60.5634,
79.0808

■ 32.8342, 28.2761,
74.2491

■ 71.3060, 75.0967,
81.2587

■ 26.7894, 20.9897,
73.1612

■ 84.8368, 91.6485,
83.7403

■ 22.0186, 15.2749,
72.3096

■ 90.4547, 98.1619,
84.7014

■ 18.4306, 11.0160,
71.6767

■ 15.9219, 8.0812,
71.2424

■ 14.3709, 6.3151,
70.9833

■ 13.6006, 5.4701,
70.8608

■ 13.5821, 5.4475,
70.8574

Harmonies

Analogous

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



44.7294, 47.9694, 79.7298



49.0672, 47.9694, 77.1939



52.6706, 47.9694, 67.5418

Triad

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



49.0672, 47.9694, 77.1939



50.6660, 47.9694, 35.2088



37.8008, 47.9694, 49.7795

Complementary

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



49.0672, 47.9694, 77.1939



65.0196, 72.1374, 53.6791

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.



39.1805, 47.9694, 39.4280



49.0672, 47.9694, 77.1939



46.4686, 47.9694, 31.9161

Square

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



49.0672, 47.9694, 77.1939



53.6338, 47.9694, 43.1133



42.2877, 47.9694, 33.3287



38.3998, 47.9694, 62.5502

Rectangle

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



49.0672, 47.9694, 77.1939



54.0788, 47.9694, 59.0825



42.2877, 47.9694, 33.3287



38.0457, 47.9694, 45.9299

Sweetspot

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



49.0687, 47.9714, 77.1950



85.1913, 87.9581, 107.0953



58.5415, 67.6126, 80.4869



18.0149, 18.5586, 22.8826



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.



49.0687, 47.9714, 77.1950



60.2134, 57.5283, 102.5382



54.5333, 50.7885, 77.4507



13.0093, 13.2728, 17.2639



7.9316, 3.1842, 41.2449



0.5704, 0.2313, 2.8598

Inverse Universe

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



60.2480, 53.7657, 76.3115



78.0929, 66.7969, 101.0557



58.8574, 68.9606, 53.3907



14.2667, 13.9243, 17.1747



24.9572, 12.0499, 38.0358



1.7383, 0.8386, 2.6809

Previews

White Background



This preview shows how the XYZ color 49.0672, 47.9694, 77.1939 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 49.0672, 47.9694, 77.1939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

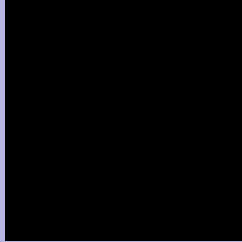
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0672, 47.9694, 77.1939

Background



This preview shows how black text looks on a background with the XYZ color 49.0672, 47.9694, 77.1939.



This preview shows how white text looks on a background with the XYZ color 49.0672, 47.9694,

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

49.0672, 47.9694, 77.1939

Protanopia

47.9110, 47.9456, 78.6807

Deuteranopia

49.0672, 47.9694, 77.1939



Tritanopia

45.5808, 47.7516, 60.8474

Trichromacy



Original Color

49.0672, 47.9694, 77.1939

Protanomaly

48.2459, 47.8311, 77.9237

Deuteranomaly

49.0672, 47.9694, 77.1939

Tritanomaly

46.9091, 48.0047, 66.4680

Monochromacy



Original Color

49.0672, 47.9694, 77.1939

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.5734, 48.7654, 61.5489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0672, 47.9694, 77.1939 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(182, 180, 224)` looks like.

```
.text, #text, p{  
    color:rgb(182, 180, 224)  
}
```

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(182, 180, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 180, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.0672, 47.9694, 77.1939 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(182, 180, 224) }
```


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

```
.border{ border-color:rgb(182, 180, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 180, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 180, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 180, 224);  
box-shadow:4px 4px 4px 4px rgb(182, 180,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0672, 47.9694, 77.1939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 180, 224) }
```

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

```
.background{ background-color: rgb(182,  
180, 224) }
```

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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