

Converting Colors

XYZ(48.4660, 48.7701, 75.8613)

Have a look what the booklet for
XYZ(48.4660, 48.7701, 75.8613)
contains.

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Color

**XYZ(48.6854, 49.0199,
76.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B8DE
RGB	178, 184, 222
RGB Percent	70%, 72%, 87%
CMY	0.3020, 0.2784, 0.1294
CMYK	0.20, 0.17, 0.00, 0.13
HSL	232°, 40%, 78%
HSV	232°, 20%, 87%
XYZ	48.6854, 49.0199, 76.0030
YIQ	186.5380, -15.7740, 10.5460

Conversions

Conversions Part 2

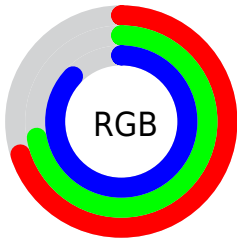
Format	Color
R_{YB}	178, 183, 222
Decimal	11712734
CIE Lab	75.46, 5.82, -19.72
CIE LCh	75, 20.558, 286.440
Yxy	49.0199, 0.2803, 0.2822
Android (android.graphics.Color)	4289902814 (0xFFB2B8DE)
YUV	186.5380, 17.4828, -7.4878
Hunter-Lab	70.0142, 1.5977, -15.3515

Details

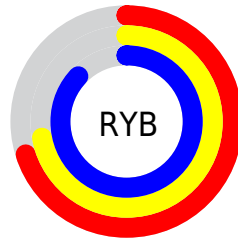
The XYZ color **48.6854, 49.0199, 76.0030** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **62.7164, 67.8556, 51.9127**, and the grayscale version is **46.8864, 49.3282, 53.7184**.

A 20% lighter version of the original color is **83.1418, 87.0326, 107.0247**, and **23.5488, 23.3826, 39.8314** is the 20% darker color. If you saturate the color by 10%, you get **40.2819, 39.1720, 74.5459**, and if you desaturate by 10%, it is **58.4560, 60.3763, 77.6808**.

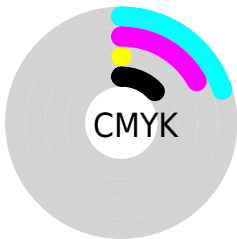
Distribution



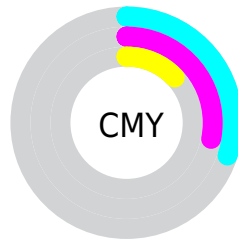
- Red (70%)
- Green (72%)
- Blue (87%)



- Red (70%)
- Yellow (72%)
- Blue (87%)



- Cyan (20%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (30%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6854, 49.0199, 76.0030 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 48.6854, 49.0199, 76.0030 by changing the saturation by 10% instead.

■ 48.6854, 49.0199,
76.0030

■ 48.6854, 49.0199,
76.0030

372.0400,
382.8207, 500.7051

■ 34.5835, 34.6353,
55.9283

■ 87.4276, 88.7210,
129.4913

■ 23.5072, 23.3821,
39.7418

112.7985,
114.8063, 163.7419

■ 15.0912, 14.8759,
27.0251

142.6565,
145.5605, 203.5550

■ 8.9702, 8.7323,
17.3594

177.3670,
181.3682, 249.3490

■ 4.7787, 4.5670,
10.3264

217.2952,
222.6136, 301.5424

■ 2.1514, 1.9955,
5.5075

262.8065,

■ 0.7169, 0.6049,

269.6813, 360.5539

2.4841

314.2664,
322.9555, 426.8019

■ 0.0000, 0.0000,
0.8317

■ 0.0000, 0.0000,
0.0000

■ 48.6854, 49.0199,
76.0030

■ 48.6854, 49.0199,
76.0030

■ 40.2819, 39.1720,
74.5459

■ 58.4560, 60.3763,
77.6808

■ 33.1798, 30.7629,
73.2971

■ 69.6464, 73.2947,
79.5846

■ 27.3147, 23.7266,
72.2481

■ 82.3120, 87.8338,
81.7233

■ 22.6149, 17.9894,
71.3884

■ 90.1850, 98.0540,
83.2811

■ 19.0014, 13.4706,
70.7066

■ 16.3849, 10.0803,
70.1901

■ 14.6614, 7.7157,
69.8245

■ 13.6703, 6.2373,
69.5914

■ 13.6564, 6.2169,
69.5882

Harmonies

Analogous

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



44.9039, 49.0199, 76.3473



48.6854, 49.0199, 76.0030



52.0759, 49.0199, 69.0901

Triad

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



48.6854, 49.0199, 76.0030



51.7973, 49.0199, 39.6315



39.8595, 49.0199, 48.6283

Complementary

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



48.6854, 49.0199, 76.0030



62.7164, 67.8556, 51.9127

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.



41.5072, 49.0199, 40.2432



48.6854, 49.0199, 76.0030



48.3218, 49.0199, 35.5448

Square

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



48.6854, 49.0199, 76.0030



53.9382, 49.0199, 47.6818



44.5594, 49.0199, 35.7523



39.9450, 49.0199, 59.5029

Rectangle

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



48.6854, 49.0199, 76.0030



53.5976, 49.0199, 62.1602



44.5594, 49.0199, 35.7523



40.2250, 49.0199, 45.4580

Sweetspot

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



48.6869, 49.0219, 76.0041



85.5722, 89.0703, 107.2899



56.7996, 66.6353, 74.4289



18.1045, 18.8204, 22.9284



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.



48.6869, 49.0219, 76.0041



61.4021, 60.9735, 103.1406



51.2007, 48.5061, 75.7720



13.1021, 13.5433, 17.3112



8.1582, 3.7859, 41.3491



0.6146, 0.3606, 2.8825

Inverse Universe

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



54.6976, 50.8324, 52.2784



71.1655, 64.0259, 64.5765



59.7786, 68.6657, 52.2238



13.7830, 13.7308, 14.6274



18.0581, 9.2902, 1.7056



1.2765, 0.6539, 0.2487

Previews

White Background



This preview shows how the XYZ color 48.6854, 49.0199, 76.0030 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 48.6854, 49.0199, 76.0030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

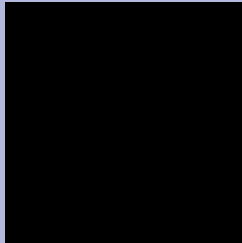
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6854, 49.0199, 76.0030

Background



This preview shows how black text looks on a background with the XYZ color 48.6854, 49.0199, 76.0030.



This preview shows how white text looks on a background with the XYZ color 48.6854, 49.0199,

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

48.6854, 49.0199, 76.0030

Protanopia

48.6854, 49.0199, 76.0030

Deuteranopia

50.2969, 49.2227, 76.6620



Tritanopia

45.8866, 48.8036, 62.8787

Trichromacy



Original Color

48.6854, 49.0199, 76.0030

Protanomaly

48.6854, 49.0199, 76.0030

Deuteranomaly

49.7812, 49.2620, 76.6968

Tritanomaly

46.7467, 48.8352, 67.2839

Monochromacy



Original Color

48.6854, 49.0199, 76.0030

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.7514, 49.4783, 61.6771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6854, 49.0199, 76.0030 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(178, 184, 222)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 184, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 184, 222) }
```

Border

The CSS property to change the border of an element to XYZ 48.6854, 49.0199, 76.0030 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(178, 184, 222) }
```


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

```
.border{ border-color:rgb(178, 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(178, 184, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 184, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 184, 222);  
box-shadow:4px 4px 4px 4px rgb(178, 184,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6854, 49.0199, 76.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 184, 222) }
```

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

```
.background{ background-color: rgb(178,  
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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