

Converting Colors

XYZ(48.7626, 47.3449, 82.5025)

Have a look what the booklet for
XYZ(48.7626, 47.3449, 82.5025)
contains.

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Color

**XYZ(48.6754, 47.3568,
82.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B3E7
RGB	177, 179, 231
RGB Percent	69%, 70%, 91%
CMY	0.3059, 0.2980, 0.0941
CMYK	0.23, 0.23, 0.00, 0.09
HSL	238°, 53%, 80%
HSV	238°, 23%, 91%
XYZ	48.6754, 47.3568, 82.1766
YIQ	184.3300, -17.8840, 15.7480

Conversions

Conversions Part 2

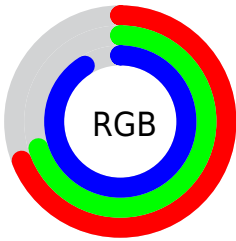
Format	Color
R_{YB}	177, 179, 231
Decimal	11645927
CIE _{Lab}	74.42, 10.30, -26.20
CIE _{LCh}	74, 28.153, 291.462
Yxy	47.3568, 0.2731, 0.2657
Android (android.graphics.Color)	4289836007 (0xFFB1B3E7)
YUV	184.3300, 23.0083, -6.4284
Hunter-Lab	68.8163, 5.8288, -22.6295

Details

The XYZ color **48.6754, 47.3568, 82.1766** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.9109, 76.2024, 52.6731**, and the grayscale version is **45.6274, 48.0036, 52.2759**.

A 20% lighter version of the original color is **81.3626, 83.9603, 106.5254**, and **23.3671, 22.2278, 43.6163** is the 20% darker color. If you saturate the color by 10%, you get **39.7482, 36.6627, 80.5837**, and if you desaturate by 10%, it is **59.2154, 59.9521, 84.0530**.

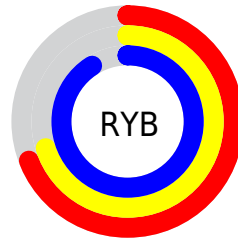
Distribution



Red (69%)

Green (70%)

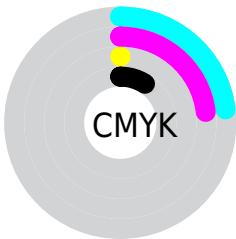
Blue (91%)



Red (69%)

Yellow (70%)

Blue (91%)

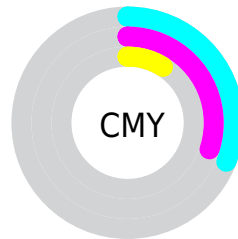


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (30%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6754, 47.3568, 82.1766 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 48.6754, 47.3568, 82.1766 by changing the saturation by 10% instead.

■ 48.6754, 47.3568,
82.1766

■ 48.6754, 47.3568,
82.1766

372.0012,
376.2369, 522.1372

■ 34.5755, 33.3178,
60.9745

■ 87.4128, 86.2460,
138.2605

■ 23.5011, 22.3700,
43.7741

112.7810,
111.8649, 173.9794

■ 15.0867, 14.1290,
30.1571

142.6361,
142.1127, 215.3742

■ 8.9669, 8.2105,
19.7048

177.3433,
177.3736, 262.8636

■ 4.7766, 4.2299,
11.9987

217.2681,
218.0321, 316.8660

■ 2.1502, 1.8030,
6.6203

262.7758,

■ 0.7163, 0.4890,

264.4726, 377.8001

3.1509

314.2317,
317.0794, 446.0843

■ 0.0000, 0.0000,
1.1722

■ 0.0000, 0.0000,
0.0000

■ 48.6754, 47.3568,
82.1766

■ 48.6754, 47.3568,
82.1766

■ 39.7482, 36.6627,
80.5837

■ 59.2154, 59.9521,
84.0530

■ 32.3500, 27.7721,
79.2576

■ 71.4374, 74.5286,
86.2224

■ 26.3963, 20.5873,
78.1846

■ 85.4121, 91.1686,
88.6977

■ 21.7927, 14.9992,
77.3486

■ 91.4240, 98.5496,
89.8055

■ 18.4335, 10.8857,
76.7317

■ 16.1973, 8.1074,
76.3133

■ 14.9382, 6.4982,
76.0690

■ 14.5168, 5.9554,
75.9865

Harmonies

Analogous

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



43.5786, 47.3568, 84.4172



48.6754, 47.3568, 82.1766



53.0803, 47.3568, 71.0001

Triad

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



48.6754, 47.3568, 82.1766



51.3661, 47.3568, 32.6535



36.0376, 47.3568, 47.5263

Complementary

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



48.6754, 47.3568, 82.1766



68.9109, 76.2024, 52.6731

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.



37.8043, 47.3568, 36.0435



48.6754, 47.3568, 82.1766



46.4749, 47.3568, 28.5773

Square

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



48.6754, 47.3568, 82.1766



54.7132, 47.3568, 42.0026



41.5357, 47.3568, 29.6896



36.5298, 47.3568, 62.4752

Rectangle

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



48.6754, 47.3568, 82.1766



54.9074, 47.3568, 60.9648



41.5357, 47.3568, 29.6896



36.3819, 47.3568, 43.1821

Sweetspot

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



48.6769, 47.3587, 82.1777



83.5448, 86.2896, 106.8600



60.7538, 72.1181, 84.3363



17.6805, 18.2292, 22.8367



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.



48.6769, 47.3587, 82.1777



55.3321, 52.5823, 101.8408



54.3154, 49.6745, 82.3275



13.6254, 13.9723, 18.1231



8.1580, 3.3780, 42.6052



0.6181, 0.2800, 3.1534

Inverse Universe

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



56.8151, 51.6894, 49.6323



67.1866, 58.9306, 54.4249



62.1612, 73.5494, 52.5167



14.3985, 14.3766, 15.0331



18.5113, 9.5387, 1.0554



1.3756, 0.7079, 0.1184

Previews

White Background



This preview shows how the XYZ color 48.6754, 47.3568, 82.1766 looks on a white background.

Color Contrast Check

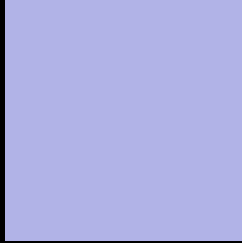
Large Text (above 18pt) WCAG AA × Fail

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 48.6754, 47.3568, 82.1766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

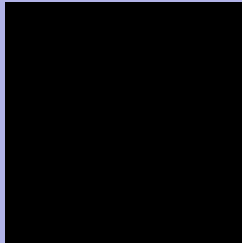
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6754, 47.3568, 82.1766

Background



This preview shows how black text looks on a background with the XYZ color 48.6754, 47.3568, 82.1766.



This preview shows how white text looks on a background with the XYZ color 48.6754, 47.3568,

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

48.6754, 47.3568, 82.1766

Protanopia

47.6669, 47.4200, 82.9846

Deuteranopia

48.4484, 47.2398, 82.1660



Tritanopia

44.4524, 47.4794, 60.8544

Trichromacy



Original Color

48.6754, 47.3568, 82.1766

Protanomaly

48.1203, 47.3529, 82.9477

Deuteranomaly

48.4484, 47.2398, 82.1660

Tritanomaly

45.9249, 47.4544, 68.3671

Monochromacy



Original Color

48.6754, 47.3568, 82.1766

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.3266, 47.4967, 61.9844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6754, 47.3568, 82.1766 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(177, 179, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 179, 231)  
}
```

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(177, 179, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 179, 231) }
```

Border

The CSS property to change the border of an element to XYZ 48.6754, 47.3568, 82.1766 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(177, 179, 231) }
```


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

```
.border{ border-color:rgb(177, 179, 231) }
```

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

Here you see how a box with a 4 pixel rgb(177, 179, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 179, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 179, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 179,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6754, 47.3568, 82.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 179, 231) }
```

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

```
.background{ background-color: rgb(177,  
179, 231) }
```

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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