

Converting Colors

XYZ(47.8970, 47.4681, 85.8966)

Have a look what the booklet for
XYZ(47.8970, 47.4681, 85.8966)
contains.

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Color

**XYZ(48.0264, 47.5389,
86.0015)**

Conversions

Conversions Part 1

Format	Color
Hex	A9B5EC
RGB	169, 181, 236
RGB Percent	66%, 71%, 93%
CMY	0.3372, 0.2902, 0.0745
CMYK	0.28, 0.23, 0.00, 0.07
HSL	229°, 64%, 79%
HSV	229°, 28%, 93%
XYZ	48.0264, 47.5389, 86.0015
YIQ	183.6820, -24.8070, 14.5610

Conversions

Conversions Part 2

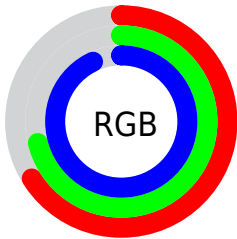
Format	Color
R _Y B	169, 179, 236
Decimal	11122156
CIE Lab	74.53, 8.02, -28.78
CIE LCh	75, 29.879, 285.562
Yxy	47.5389, 0.2645, 0.2618
Android (android.graphics.Color)	4289312236 (0xFFA9B5EC)
YUV	183.6820, 25.7928, -12.8761
Hunter-Lab	68.9485, 3.6753, -25.6903

Details

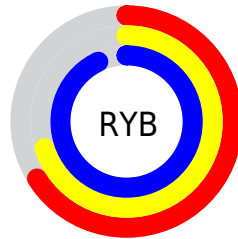
The XYZ color **48.0264, 47.5389, 86.0015** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.4100, 74.0094, 48.2174**, and the grayscale version is **45.2580, 47.6150, 51.8527**.

A 20% lighter version of the original color is **79.3855, 83.7959, 106.5979**, and **23.0276, 22.3785, 46.2858** is the 20% darker color. If you saturate the color by 10%, you get **39.7441, 37.8233, 84.5636**, and if you desaturate by 10%, it is **57.7734, 58.8248, 87.6670**.

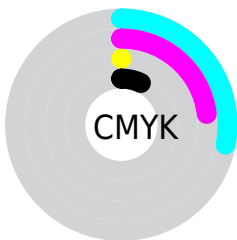
Distribution



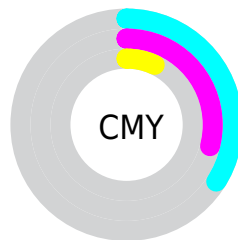
- Red (66%)
- Green (71%)
- Blue (93%)



- Red (66%)
- Yellow (70%)
- Blue (93%)



- Cyan (28%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)



- Cyan (34%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0264, 47.5389, 86.0015 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 48.0264, 47.5389, 86.0015 by changing the saturation by 10% instead.

■ 48.0264, 47.5389,
86.0015

■ 48.0264, 47.5389,
86.0015

369.4776,
376.9615, 535.1669

■ 34.0591, 33.4619,
64.1143

■ 86.4532, 86.5175,
143.6581

■ 23.1021, 22.4805,
46.2965

111.6434,
112.1878, 180.2647

■ 14.7901, 14.2104,
32.1295

141.3053,
142.4914, 222.6147

■ 8.7575, 8.2671,
21.1948

175.8042,
177.8126, 271.1269

■ 4.6392, 4.2664,
13.0738

215.5056,
218.5358, 326.2196

■ 2.0697, 1.8236,
7.3481

260.7747,

■ 0.6727, 0.5018,

265.0454, 388.3115

3.5990

311.9769,
317.7259, 457.8211

■ 0.0000, 0.0000,
1.4080

■ 0.0000, 0.0000,
0.1480

■ 48.0264, 47.5389,
86.0015

■ 48.0264, 47.5389,
86.0015

■ 39.7441, 37.8233,
84.5636

■ 57.7734, 58.8248,
87.6670

■ 32.8500, 29.6022,
83.3401

■ 69.0470, 71.7411,
89.5659

■ 27.2681, 22.8015,
82.3216

■ 81.9114, 86.3518,
91.7080

■ 22.9125, 17.3387,
81.4967

■ 92.1405, 98.8362,
93.5786

■ 19.6870, 13.1223,
80.8529

■ 17.4801, 10.0485,
80.3759

■ 16.1415, 7.9876,
80.0487

■ 15.9781, 7.7314,
80.0078

Harmonies

Analogous

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



42.6456, 47.5389, 86.2135



48.0264, 47.5389, 86.0015



53.0075, 47.5389, 75.4867

Triad

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



48.0264, 47.5389, 86.0015



52.8475, 47.5389, 33.3067



35.8600, 47.5389, 44.6987

Complementary

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



48.0264, 47.5389, 86.0015



68.4100, 74.0094, 48.2174

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.



38.1714, 47.5389, 33.6151



48.0264, 47.5389, 86.0015



47.8218, 47.5389, 27.9824

Square

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



48.0264, 47.5389, 86.0015



55.9384, 47.5389, 44.1897



42.4566, 47.5389, 28.0827



35.9052, 47.5389, 60.1530

Rectangle

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



48.0264, 47.5389, 86.0015



55.3074, 47.5389, 65.0585



42.4566, 47.5389, 28.0827



36.3786, 47.5389, 40.4127

Sweetspot

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



48.0280, 47.5408, 86.0026



81.3867, 84.4677, 106.6221



59.7750, 73.7934, 81.4138



16.9787, 17.5755, 22.7475



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.



48.0280, 47.5408, 86.0026



51.3675, 49.7879, 101.5104



50.6190, 45.4087, 85.4545



14.4494, 14.9852, 19.0531



8.8738, 4.3945, 44.1235



0.7594, 0.4704, 3.4856

Inverse Universe

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



57.1218, 49.5465, 50.2708



63.9319, 52.8297, 52.0812



65.1187, 77.2707, 49.0203



15.1756, 15.0981, 16.2101



19.3344, 9.9364, 2.2962



1.5498, 0.7929, 0.3468

Previews

White Background



This preview shows how the XYZ color 48.0264, 47.5389, 86.0015 looks on a white background.

Color Contrast Check

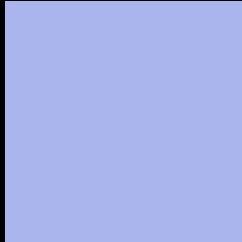
Large Text (above 18pt) WCAG AA × Fail

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 48.0264, 47.5389, 86.0015 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 48.0264, 47.5389, 86.0015

Background



This preview shows how black text looks on a background with the XYZ color 48.0264, 47.5389, 86.0015.



This preview shows how white text looks on a background with the XYZ color 48.0264, 47.5389,

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

48.0264, 47.5389, 86.0015

Protanopia

48.0264, 47.5389, 86.0015

Deuteranopia

48.6952, 47.5829, 85.9748



Tritanopia

43.3313, 47.4863, 62.7591

Trichromacy



Original Color

48.0264, 47.5389, 86.0015

Protanomaly

48.0264, 47.5389, 86.0015

Deuteranomaly

48.4748, 47.4693, 85.9645

Tritanomaly

45.0036, 47.5523, 70.4249

Monochromacy



Original Color

48.0264, 47.5389, 86.0015

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.3034, 47.7625, 63.2785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0264, 47.5389, 86.0015 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(169, 181, 236)` looks like.

```
.text, #text, p{  
    color:rgb(169, 181, 236)  
}
```

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(169, 181, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 181, 236) }
```

Border

The CSS property to change the border of an element to XYZ 48.0264, 47.5389, 86.0015 is called "border". The border property can be set on classes, ids or directly on the HTML element.

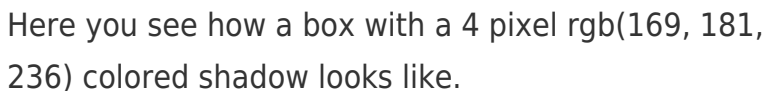
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 181, 236) }
```


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

```
.border{ border-color:rgb(169, 181, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 181, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 181, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 181, 236); box-shadow:4px 4px 4px 4px rgb(169, 181, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0264, 47.5389, 86.0015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 181, 236) }
```

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

```
.background{ background-color: rgb(169,  
181, 236) }
```

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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