

Converting Colors

XYZ(47.5564, 41.8964, 87.2417)

Have a look what the booklet for
XYZ(47.5564, 41.8964, 87.2417)
contains.

XYZ(47.5564, 41.8964, 87.2417)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.5564, 41.8964,
87.2417)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A2EF
RGB	181, 162, 239
RGB Percent	71%, 64%, 94%
CMY	0.2902, 0.3647, 0.0627
CMYK	0.24, 0.32, 0.00, 0.06
HSL	255°, 71%, 79%
HSV	255°, 32%, 94%
XYZ	47.5564, 41.8964, 87.2417
YIQ	176.4590, -13.3930, 27.9750

Conversions

Conversions Part 2

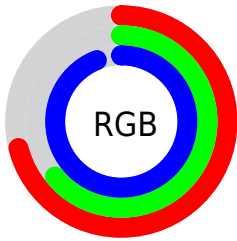
Format	Color
RYB	181, 162, 239
Decimal	11903727
CIELab	70.80, 22.81, -36.11
CIELCh	71, 42.705, 302.279
Yxy	41.8964, 0.2691, 0.2371
Android (android.graphics.Color)	4290093807 (0xFFB5A2EF)
YUV	176.4590, 30.8327, 3.9825
Hunter-Lab	64.7274, 17.8741, -34.6038

Details

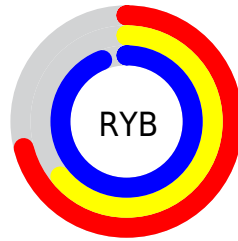
The XYZ color **47.5564, 41.8964, 87.2417** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.9043, 79.5582, 46.0141**, and the grayscale version is **41.3566, 43.5103, 47.3827**.

A 20% lighter version of the original color is **78.1227, 75.0229, 104.9711**, and **22.8756, 19.0828, 47.2774** is the 20% darker color. If you saturate the color by 10%, you get **39.7878, 32.2253, 85.7851**, and if you desaturate by 10%, it is **56.6734, 53.4521, 88.9924**.

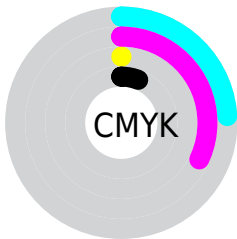
Distribution



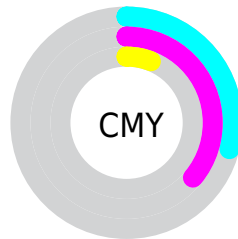
- Red (71%)
- Green (64%)
- Blue (94%)



- Red (71%)
- Yellow (64%)
- Blue (94%)



- Cyan (24%)
- Magenta (32%)
- Yellow (0%)
- Black (6%)



- Cyan (29%)
- Magenta (36%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5564, 41.8964, 87.2417 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 47.5564, 41.8964, 87.2417 by changing the saturation by 10% instead.

47.5564, 41.8964,
87.2417

47.5564, 41.8964,
87.2417

367.6430,
354.0533, 539.3536

33.6855, 29.0202,
65.1345

85.7573, 78.0428,
145.4028

22.8139, 19.0961,
47.1181

110.8179,
102.0818, 182.2938

14.5761, 11.7397,
32.7740

140.3393,
130.6105, 224.9498

8.6068, 6.5667,
21.6837

174.6866,
164.0132, 273.7893

4.5406, 3.1926,
13.4286

214.2253,
202.6745, 329.2309

2.0123, 1.2331,
7.5901

259.3207,

0.6409, 0.0885,

246.9787, 391.6931

3.7498

310.3381,
297.3102, 461.5945

■ 0.0000, 0.0000,
1.4891

■ 0.0000, 0.0000,
0.2098

■ 47.5564, 41.8964,
87.2417

■ 47.5564, 41.8964,
87.2417

■ 39.7878, 32.2253,
85.7851

■ 56.6734, 53.4521,
88.9924

■ 33.2971, 24.3321,
84.6037

■ 67.1960, 66.9813,
91.0492

■ 28.0136, 18.1073,
83.6807

■ 79.1832, 82.5732,
93.4269

■ 23.8577, 13.4265,
82.9962

■ 91.8531, 98.6372,
95.8598

■ 20.7394, 10.1475,
82.5277

■ 92.5801, 99.0121,
95.8938

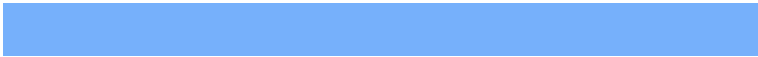
■ 18.5530, 8.1004,
82.2478

■ 17.3823, 7.1611,
82.1282

Harmonies

Analogous

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



40.3660, 41.8964, 96.8236



47.5564, 41.8964, 87.2417



53.1529, 41.8964, 66.3021

Triad

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



47.5564, 41.8964, 87.2417



46.5071, 41.8964, 19.0452



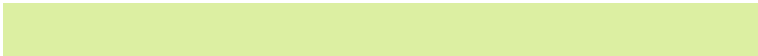
27.6910, 41.8964, 47.1886

Complementary

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



47.5564, 41.8964, 87.2417



66.9043, 79.5582, 46.0141

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.



28.9289, 41.8964, 29.7567



47.5564, 41.8964, 87.2417



39.2815, 41.8964, 16.6653

Square

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



47.5564, 41.8964, 87.2417



52.4983, 41.8964, 27.7792



32.9740, 41.8964, 19.9259



29.3694, 41.8964, 69.8135

Rectangle

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



47.5564, 41.8964, 87.2417



54.9197, 41.8964, 51.0685



32.9740, 41.8964, 19.9259



27.7796, 41.8964, 40.5699

Sweetspot

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



47.5578, 41.8981, 87.2427



80.7310, 81.3331, 106.0516



56.3468, 65.6451, 91.3631



16.8789, 16.8892, 22.6203



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.



47.5578, 41.8981, 87.2427



48.7064, 40.5603, 99.8695



57.5548, 47.0517, 87.7105



15.2626, 15.4171, 19.8930



9.7055, 4.0088, 45.3901



0.8949, 0.3786, 3.7801

Inverse Universe

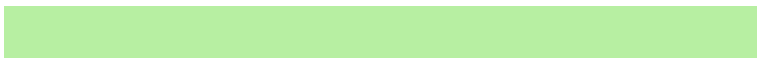
The Inverse Universe completely reimagines the original color for something new.



61.4363, 49.3602, 74.0006



67.4008, 50.6252, 81.4214



56.8070, 74.3528, 45.5415



16.2778, 15.9609, 19.0194



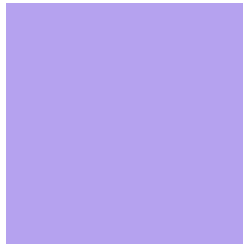
24.2804, 11.9846, 25.1907



2.0590, 1.0127, 2.3016

Previews

White Background



This preview shows how the XYZ color 47.5564, 41.8964, 87.2417 looks on a white background.

Color Contrast Check

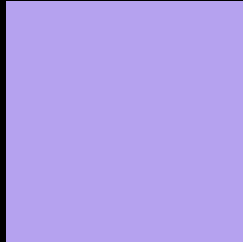
Large Text (above 18pt) WCAG AA × Fail

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 47.5564, 41.8964, 87.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

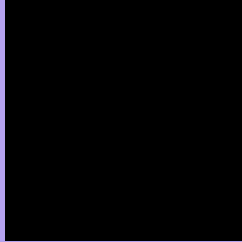
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5564, 41.8964, 87.2417

Background



This preview shows how black text looks on a background with the XYZ color 47.5564, 41.8964, 87.2417.



This preview shows how white text looks on a background with the XYZ color 47.5564, 41.8964,

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

47.5564, 41.8964, 87.2417

Protanopia

43.7751, 42.2637, 93.0393

Deuteranopia

43.1754, 42.1103, 85.9733



Tritanopia

40.4100, 41.7081, 52.3750

Trichromacy



Original Color

47.5564, 41.8964, 87.2417

Protanomaly

44.8782, 42.0534, 90.5458

Deuteranomaly

44.7451, 42.0708, 86.6511

Tritanomaly

42.7013, 41.5270, 63.5225

Monochromacy



Original Color

47.5564, 41.8964, 87.2417

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2318, 42.7143, 59.9990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5564, 41.8964, 87.2417 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, 162, 239)` looks like.

```
.text, #text, p{  
    color:rgb(181, 162, 239)  
}
```

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, 162, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 162, 239) }
```

Border

The CSS property to change the border of an element to XYZ 47.5564, 41.8964, 87.2417 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, 162, 239) }
```


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

```
.border{ border-color:rgb(181, 162, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 162, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 162, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 162, 239);  
box-shadow:4px 4px 4px 4px rgb(181, 162,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5564, 41.8964, 87.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 162, 239) }
```

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

```
.background{ background-color: rgb(181,  
162, 239) }
```

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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