

Converting Colors

XYZ(48.4261, 38.9115,
105.3357)

Have a look what the booklet for
XYZ(48.4261, 38.9115, 105.3357)
contains.

XYZ(47.3164, 38.4977, 99.5447)	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(47.3164, 38.4977,
99.5447)**

Conversions

Conversions Part 1

Format	Color
Hex	B296FF
RGB	178, 150, 255
RGB Percent	70%, 59%, 100%
CMY	0.3019, 0.4118, 0.0000
CMYK	0.30, 0.41, 0.00, 0.00
HSL	256°, 100%, 79%
HSV	256°, 41%, 100%
XYZ	47.3164, 38.4977, 99.5447
YIQ	170.3420, -17.0170, 38.5910

Conversions

Conversions Part 2

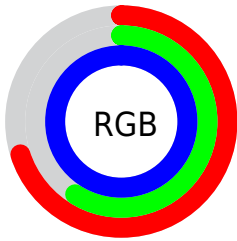
Format	Color
RYB	178, 150, 255
Decimal	11704063
CIELab	68.39, 32.54, -48.62
CIELCh	68, 58.503, 303.795
Yxy	38.4977, 0.2553, 0.2077
Android (android.graphics.Color)	4289894143 (0xFFB296FF)
YUV	170.3420, 41.7364, 6.7161
Hunter-Lab	62.0465, 27.5419, -51.6897

Details

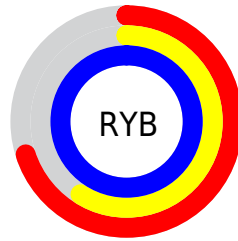
The XYZ color **47.3164, 38.4977, 99.5447** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.9439, 90.0530, 42.3930**, and the grayscale version is **38.1845, 40.1731, 43.7485**.

A 20% lighter version of the original color is **74.2349, 68.2386, 103.8665**, and **22.6809, 17.1385, 55.5387** is the 20% darker color. If you saturate the color by 10%, you get **39.6792, 29.1638, 98.1456**, and if you desaturate by 10%, it is **56.4264, 49.9065, 101.2667**.

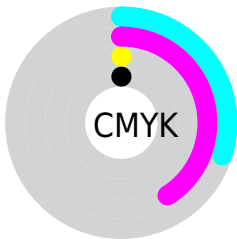
Distribution



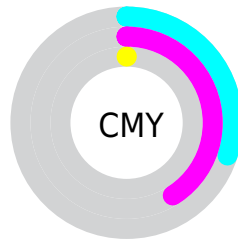
- Red (70%)
- Green (59%)
- Blue (100%)



- Red (70%)
- Yellow (59%)
- Blue (100%)



- Cyan (30%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3164, 38.4977, 99.5447 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 47.3164, 38.4977, 99.5447 by changing the saturation by 10% instead.

 47.3164, 38.4977,
99.5447


 47.3164, 38.4977,
99.5447

366.7039,
339.7502, 579.9662

 33.4948, 26.3692,
75.3056


 85.4016, 72.8703,
162.5778

 22.6668, 17.1000,
55.3600

 110.3959, 95.8833,
202.2088

 14.4670, 10.3058,
39.2895


139.8453,
123.2931, 247.8076

 8.5301, 5.6022,
26.6755

174.1149,
155.4843, 299.7926

 4.4906, 2.6047,
17.0994

213.5702,
192.8412, 358.5824

 1.9833, 0.9291,
10.1426

258.5766,

 0.6245, 0.0000,

235.7482, 424.5956

5.3868

309.4994,
284.5898, 498.2507

■ 0.0000, 0.0000,
2.4133

■ 0.0000, 0.0000,
0.7937

■ 47.3164, 38.4977,
99.5447

■ 47.3164, 38.4977,
99.5447

■ 39.6792, 29.1638,
98.1456

■ 56.4264, 49.9065,
101.2667

■ 33.4294, 21.7723,
97.0483

■ 67.0802, 63.5030,
103.3295

■ 28.4782, 16.1820,
96.2302

■ 79.3488, 79.3967,
105.7507

■ 24.7240, 12.2298,
95.6652

■ 93.2976, 97.6885,
108.5462

■ 22.0481, 9.7214,
95.3221

95.0500, 100.0000,
108.9000

■ 20.4340, 8.4490,
95.1616

Harmonies

Analogous

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



37.7720, 38.4977, 115.3226



47.3164, 38.4977, 99.5447



54.8282, 38.4977, 68.4455

Triad

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



47.3164, 38.4977, 99.5447



44.9543, 38.4977, 10.9486



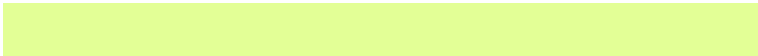
21.6498, 38.4977, 45.3542

Complementary

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



47.3164, 38.4977, 99.5447



72.9439, 90.0530, 42.3930

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.



22.9257, 38.4977, 23.3188



47.3164, 38.4977, 99.5447



35.4347, 38.4977, 8.9990

Square

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



47.3164, 38.4977, 99.5447



53.3121, 38.4977, 19.6133



27.6226, 38.4977, 12.3739



23.7921, 38.4977, 76.8028

Rectangle

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



47.3164, 38.4977, 99.5447



57.0996, 38.4977, 47.6237



27.6226, 38.4977, 12.3739



21.6954, 38.4977, 36.6863

Sweetspot

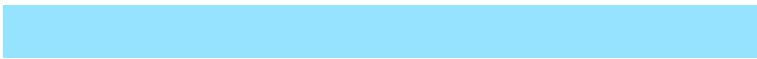
The Sweet Spot groups the original color and five complimentary colors.



47.3177, 38.4991, 99.5449



78.2742, 77.9963, 105.5370



58.0976, 68.6430, 104.7951



16.3946, 16.2268, 22.5180



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.



47.3177, 38.4991, 99.5449



41.2196, 31.0243, 98.4235



61.7510, 45.9397, 100.2204



17.4573, 17.6120, 22.7293



10.7968, 4.4764, 49.7296



1.1495, 0.4865, 4.8466

Inverse Universe

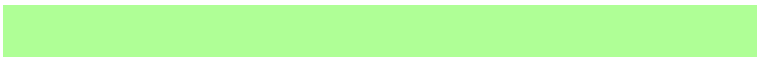
The Inverse Universe completely reimagines the original color for something new.



66.0120, 48.6198, 78.5785



62.3711, 42.4953, 73.7971



58.8330, 82.7786, 41.7326



18.5737, 18.2128, 21.6384



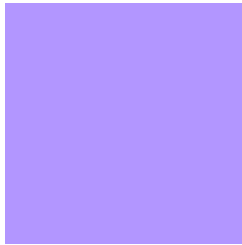
26.3008, 13.0096, 26.0321



2.6062, 1.2848, 2.7736

Previews

White Background



This preview shows how the XYZ color 47.3164, 38.4977, 99.5447 looks on a white background.

Color Contrast Check

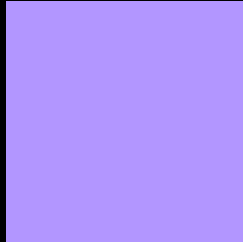
Large Text (above 18pt) WCAG AA × Fail

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 47.3164, 38.4977, 99.5447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

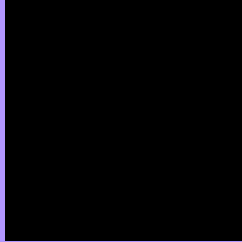
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3164, 38.4977, 99.5447

Background



This preview shows how black text looks on a background with the XYZ color 47.3164, 38.4977, 99.5447.



This preview shows how white text looks on a background with the XYZ color 47.3164, 38.4977,

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

47.3164, 38.4977, 99.5447

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.9593, 38.8127, 97.4810



Tritanopia

36.9787, 38.3543, 48.6341

Trichromacy



Original Color

47.3164, 38.4977, 99.5447

Protanomaly

43.0258, 38.5003, 99.7713

Deuteranomaly

42.1545, 38.3445, 98.1079

Tritanomaly

39.9817, 37.9714, 64.2534

Monochromacy



Original Color

47.3164, 38.4977, 99.5447

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.8734, 39.2957, 60.6889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3164, 38.4977, 99.5447 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, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 150, 255)  
}
```

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, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3164, 38.4977, 99.5447 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, 150, 255) }
```


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

```
.border{ border-color:rgb(178, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3164, 38.4977, 99.5447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 150, 255) }
```

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

```
.background{ background-color: rgb(178,  
150, 255) }
```

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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