

Converting Colors

XYZ(47.2902, 37.3530, 93.6956)

Have a look what the booklet for
XYZ(47.2902, 37.3530, 93.6956)
contains.

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Color

**XYZ(47.3184, 37.4672,
93.5449)**

Conversions

Conversions Part 1

Format	Color
Hex	BA91F8
RGB	186, 145, 248
RGB Percent	73%, 57%, 97%
CMY	0.2706, 0.4314, 0.0274
CMYK	0.25, 0.42, 0.00, 0.03
HSL	264°, 88%, 77%
HSV	264°, 42%, 97%
XYZ	47.3184, 37.4672, 93.5449
YIQ	169.0010, -8.6270, 40.7250

Conversions

Conversions Part 2

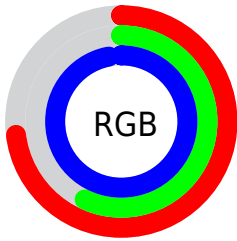
Format	Color
RYB	186, 145, 248
Decimal	12227064
CIELab	67.63, 35.82, -45.95
CIElCh	68, 58.260, 307.941
Yxy	37.4672, 0.2653, 0.2101
Android (android.graphics.Color)	4290417144 (0xFFBA91F8)
YUV	169.0010, 38.9465, 14.9081
Hunter-Lab	61.2105, 30.8701, -47.7626

Details

The XYZ color **47.3184, 37.4672, 93.5449** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.4112, 82.4453, 39.3081**, and the grayscale version is **37.5303, 39.4848, 42.9990**.

A 20% lighter version of the original color is **75.7817, 67.2999, 103.6038**, and **22.6126, 16.5128, 51.2857** is the 20% darker color. If you saturate the color by 10%, you get **40.4953, 28.9256, 92.2565**, and if you desaturate by 10%, it is **55.3502, 47.8611, 95.1285**.

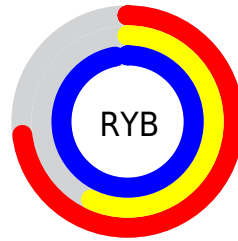
Distribution



Red (73%)

Green (57%)

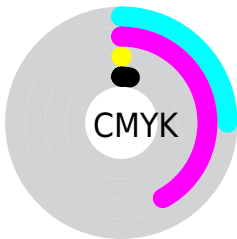
Blue (97%)



Red (73%)

Yellow (57%)

Blue (97%)

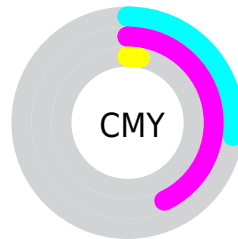


Cyan (25%)

Magenta (42%)

Yellow (0%)

Black (3%)



Cyan (27%)

Magenta (43%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3184, 37.4672, 93.5449 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 47.3184, 37.4672, 93.5449 by changing the saturation by 10% instead.


 47.3184, 37.4672,
93.5449


 47.3184, 37.4672,
93.5449

366.7117,
335.3288, 560.3610

 33.4964, 25.5694,
70.3343

 85.4046, 71.2908,
154.2310

 22.6681, 16.5018,
51.3206


 110.3994, 93.9853,
192.5436

 14.4679, 9.8799,
36.0853


139.8494,
121.0476, 236.7273

 8.5307, 5.3194,
24.2099

174.1197,
152.8621, 287.2006

 4.4910, 2.4359,
15.2758

213.5757,
189.8130, 344.3821

 1.9835, 0.8443,
8.8644

258.5828,

 0.6247, 0.0000,

232.2848, 408.6903

4.5572

309.5064,
280.6620, 480.5437

■ 0.0000, 0.0000,
1.9357

■ 0.0000, 0.0000,
0.5153

■ 47.3184, 37.4672,
93.5449

■ 47.3184, 37.4672,
93.5449

■ 40.4953, 28.9256,
92.2565

■ 55.3502, 47.8611,
95.1285

■ 34.8108, 22.1172,
91.2419

■ 64.6471, 60.2076,
97.0216

■ 30.1933, 16.9155,
90.4813

■ 75.2667, 74.6048,
99.2408

■ 26.5599, 13.1738,
89.9505

■ 87.2616, 91.1427,
101.8007

■ 23.8130, 10.7169,
89.6211

■ 93.9434, 99.5574,
103.0728

■ 22.0585, 9.4143,
89.4621

Harmonies

Analogous

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



38.0506, 37.4672, 111.9902



47.3184, 37.4672, 93.5449



54.1319, 37.4672, 62.3292

Triad

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



47.3184, 37.4672, 93.5449



42.4981, 37.4672, 9.9840



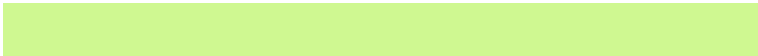
21.1011, 37.4672, 48.0159

Complementary

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



47.3184, 37.4672, 93.5449



64.4112, 82.4453, 39.3081

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.



21.8855, 37.4672, 24.8986



47.3184, 37.4672, 93.5449



33.2788, 37.4672, 8.8031

Square

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



47.3184, 37.4672, 93.5449



51.0390, 37.4672, 17.3179



26.0147, 37.4672, 12.9028



23.6556, 37.4672, 79.3813

Rectangle

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



47.3184, 37.4672, 93.5449



55.8053, 37.4672, 42.5982



26.0147, 37.4672, 12.9028



20.9923, 37.4672, 39.0442

Sweetspot

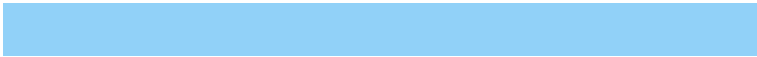
The Sweet Spot groups the original color and five complimentary colors.



47.3198, 37.4687, 93.5458



79.5985, 78.6790, 105.5990



51.3035, 58.1624, 97.3301



16.7050, 16.3868, 22.5325



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.



47.3198, 37.4687, 93.5458



44.1224, 32.0232, 98.4633



61.6562, 44.8594, 94.2167



16.9369, 16.9801, 21.7701



12.0634, 5.1616, 48.3340



1.2330, 0.5377, 4.4820

Inverse Universe

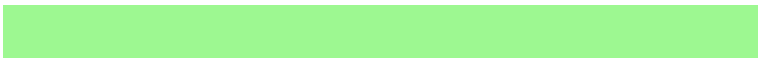
The Inverse Universe completely reimagines the original color for something new.



60.1002, 44.7135, 64.4951



59.8228, 40.9397, 62.0310



52.5872, 76.3498, 38.7548



17.6834, 17.4007, 20.1884



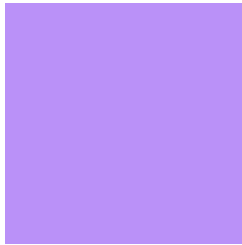
23.9256, 11.9860, 16.8485



2.2682, 1.1310, 1.8357

Previews

White Background



This preview shows how the XYZ color 47.3184, 37.4672, 93.5449 looks on a white background.

Color Contrast Check

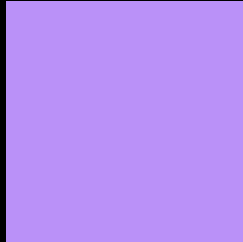
Large Text (above 18pt) WCAG AA × Fail

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 47.3184, 37.4672, 93.5449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

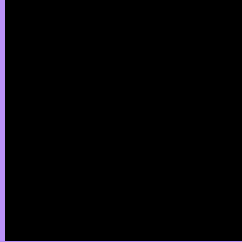
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3184, 37.4672, 93.5449

Background



This preview shows how black text looks on a background with the XYZ color 47.3184, 37.4672, 93.5449.



This preview shows how white text looks on a background with the XYZ color 47.3184, 37.4672,

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

47.3184, 37.4672, 93.5449

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

38.8105, 37.8284, 90.8440



Tritanopia

37.3981, 37.3164, 45.2761

Trichromacy



Original Color

47.3184, 37.4672, 93.5449

Protanomaly

42.2217, 37.3845, 97.0861

Deuteranomaly

41.1161, 37.1905, 91.3976

Tritanomaly

40.3954, 37.0068, 60.2723

Monochromacy



Original Color

47.3184, 37.4672, 93.5449

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.4430, 38.3328, 58.6935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3184, 37.4672, 93.5449 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(186, 145, 248)` looks like.

```
.text, #text, p{  
    color:rgb(186, 145, 248)  
}
```

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(186, 145, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 145, 248) }
```

Border

The CSS property to change the border of an element to XYZ 47.3184, 37.4672, 93.5449 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(186, 145, 248) }
```


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

```
.border{ border-color:rgb(186, 145, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 145, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 145, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 145, 248);  
box-shadow:4px 4px 4px 4px rgb(186, 145,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3184, 37.4672, 93.5449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 145, 248) }
```

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

```
.background{ background-color: rgb(186,  
145, 248) }
```

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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