

Converting Colors

XYZ(48.7042, 39.9329, 99.7486)

Have a look what the booklet for
XYZ(48.7042, 39.9329, 99.7486)
contains.

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Color

**XYZ(48.7326, 39.9475,
99.7499)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B699FF |
| RGB | 182, 153, 255 |
| RGB Percent | 71%, 60%, 100% |
| CMY | 0.2863, 0.4000, 0.0000 |
| CMYK | 0.29, 0.40, 0.00, 0.00 |
| HSL | 257°, 100%, 80% |
| HSV | 257°, 40%, 100% |
| XYZ | 48.7326, 39.9475, 99.7499 |
| YIQ | 173.2990, -15.4580, 37.8700 |

Conversions

Conversions Part 2

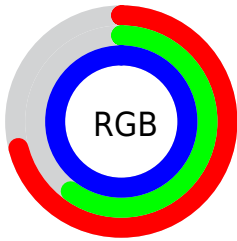
| Format | Color |
|-------------------------------------|--|
| RYB | 182, 153, 255 |
| Decimal | 11966975 |
| CIELab | 69.43, 31.95, -46.95 |
| CIElCh | 69, 56.785, 304.234 |
| Yxy | 39.9475, 0.2586, 0.2120 |
| Android (android.graphics.Color) | 4290157055 (0xFFB699FF) |
| YUV | 173.2990, 40.2786, 7.6308 |
| Hunter-Lab | 63.2040, 27.0229, -49.3299 |

Details

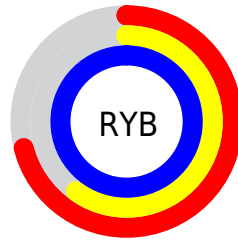
The XYZ color **48.7326, 39.9475, 99.7499** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.8740, 89.9887, 43.6671**, and the grayscale version is **39.6807, 41.7471, 45.4626**.

A 20% lighter version of the original color is **76.5411, 70.8570, 104.2504**, and **23.5486, 18.0156, 55.6623** is the 20% darker color. If you saturate the color by 10%, you get **40.9635, 30.3954, 98.3156**, and if you desaturate by 10%, it is **57.9578, 51.5756, 101.5081**.

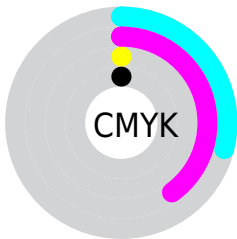
Distribution



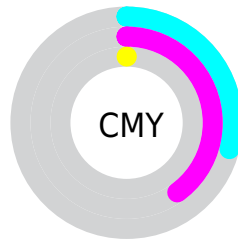
- Red (71%)
- Green (60%)
- Blue (100%)



- Red (71%)
- Yellow (60%)
- Blue (100%)



- Cyan (29%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7326, 39.9475, 99.7499 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 48.7326, 39.9475, 99.7499 by changing the saturation by 10% instead.

 48.7326, 39.9475,
99.7499


 48.7326, 39.9475,
99.7499


372.2231,
345.9022, 580.6304

 34.6211, 27.4976,
75.4760


 87.4973, 75.0836,
162.8623

 23.5363, 17.9473,
55.4988

 112.8812, 98.5385,
202.5379

 15.1129, 10.9122,
39.3999


142.7532,
126.4306, 248.1844

 8.9855, 6.0078,
26.7608

177.4787,
159.1443, 300.2204

 4.7887, 2.8498,
17.1628

217.4231,
197.0639, 359.0645

 2.1573, 1.0538,
10.1874

262.9518,

 0.7201, 0.0000,

240.5738, 425.1352

5.4162

314.4300,
290.0585, 498.8509

■ 0.0000, 0.0000,
2.4305

■ 0.0000, 0.0000,
0.8030

■ 48.7326, 39.9475,
99.7499

■ 48.7326, 39.9475,
99.7499

■ 40.9635, 30.3954,
98.3156

■ 57.9578, 51.5756,
101.5081

■ 34.5677, 22.7890,
97.1845

■ 68.7077, 65.3903,
103.6080

■ 29.4595, 16.9900,
96.3345

■ 81.0512, 81.4994,
106.0668

■ 25.5412, 12.8394,
95.7398

95.0500, 100.0000,
108.9000

■ 22.6987, 10.1487,
95.3703

■ 20.7603, 8.6173,
95.1769

■ 20.7601, 8.6171,
95.1768

Harmonies

Analogous

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



39.2805, 39.9475, 115.4237



48.7326, 39.9475, 99.7499



56.0862, 39.9475, 69.2331

Triad

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



48.7326, 39.9475, 99.7499



46.1277, 39.9475, 12.1009



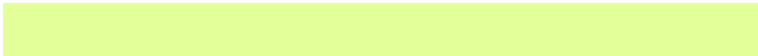
23.0075, 39.9475, 47.3166

Complementary

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



48.7326, 39.9475, 99.7499



72.8740, 89.9887, 43.6671

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.



24.2453, 39.9475, 25.0883



48.7326, 39.9475, 99.7499



36.6868, 39.9475, 10.1440

Square

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



48.7326, 39.9475, 99.7499



54.4210, 39.9475, 20.8898



28.9197, 39.9475, 13.7536



25.2197, 39.9475, 78.3779

Rectangle

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



48.7326, 39.9475, 99.7499



58.2636, 39.9475, 48.7484



28.9197, 39.9475, 13.7536



23.0368, 39.9475, 38.6351

Sweetspot

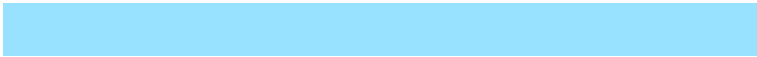
The Sweet Spot groups the original color and five complimentary colors.



48.7339, 39.9490, 99.7501



78.4503, 78.0871, 105.5453



58.4113, 68.4402, 104.7394



16.4358, 16.2481, 22.5199



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.



48.7339, 39.9490, 99.7501



42.4041, 32.1450, 98.5774



63.0136, 47.3104, 100.4184



17.4880, 17.6278, 22.7307



10.9731, 4.5673, 49.7378



1.1701, 0.4971, 4.8476

Inverse Universe

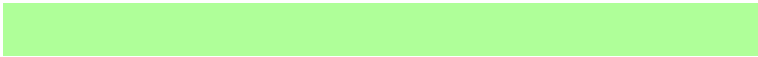
The Inverse Universe completely reimagines the original color for something new.



66.3592, 49.5345, 78.0150



62.5175, 43.1036, 72.8730



59.2122, 82.9458, 43.0277



18.5595, 18.2071, 21.5635



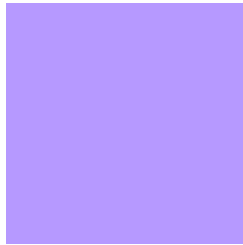
26.0550, 12.9113, 24.7381



2.5839, 1.2759, 2.6562

Previews

White Background



This preview shows how the XYZ color 48.7326, 39.9475, 99.7499 looks on a white background.

Color Contrast Check

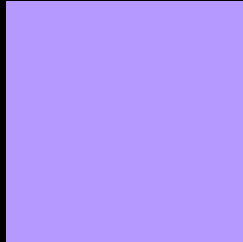
Large Text (above 18pt) WCAG AA × Fail

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 48.7326, 39.9475, 99.7499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

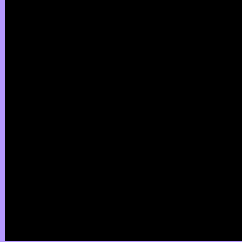
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7326, 39.9475, 99.7499

Background



This preview shows how black text looks on a background with the XYZ color 48.7326, 39.9475, 99.7499.



This preview shows how white text looks on a background with the XYZ color 48.7326, 39.9475,

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

48.7326, 39.9475, 99.7499

Protanopia

42.3499, 40.2607, 100.1468

Deuteranopia

41.4315, 40.3908, 97.7080



Tritanopia

38.7799, 40.0782, 49.9479

Trichromacy



Original Color

48.7326, 39.9475, 99.7499

Protanomaly

44.2968, 39.9307, 99.9804

Deuteranomaly

43.5893, 39.8655, 98.3259

Tritanomaly

41.8394, 39.6821, 65.7758

Monochromacy



Original Color

48.7326, 39.9475, 99.7499

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.3202, 40.8143, 62.1474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7326, 39.9475, 99.7499 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(182, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 153, 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(182, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.7326, 39.9475, 99.7499 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(182, 153, 255) }
```


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

```
.border{ border-color:rgb(182, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7326, 39.9475, 99.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 153, 255) }
```

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

```
.background{ background-color: rgb(182,  
153, 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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