

Converting Colors

XYZ(67.6886, 49.8024,
100.6530)

Have a look what the booklet for
XYZ(67.6886, 49.8024, 100.6530)
contains.

XYZ(67.7990, 49.7766, 100.6422)	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(67.7990, 49.7766,
100.6422)**

Conversions

Conversions Part 1

Format	Color
Hex	F799FF
RGB	247, 153, 255
RGB Percent	97%, 60%, 100%
CMY	0.0314, 0.4000, 0.0000
CMYK	0.03, 0.40, 0.00, 0.00
HSL	295°, 100%, 80%
HSV	295°, 40%, 100%
XYZ	67.7990, 49.7766, 100.6422
YIQ	192.7340, 23.2820, 51.6500

Conversions

Conversions Part 2

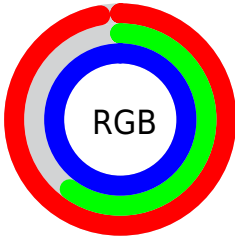
Format	Color
RYB	247, 153, 255
Decimal	16226815
CIELab	75.93, 50.49, -36.32
CIElCh	76, 62.197, 324.273
Yxy	49.7766, 0.3107, 0.2281
Android (android.graphics.Color)	4294416895 (0xFFFF799FF)
YUV	192.7340, 30.6971, 47.5913
Hunter-Lab	70.5525, 48.0665, -35.1896

Details

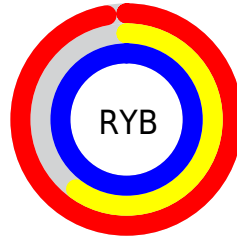
The XYZ color **67.7990, 49.7766, 100.6422** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.2089, 81.3975, 42.8881**, and the grayscale version is **50.3500, 52.9721, 57.6866**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **35.6411, 23.8197, 56.1452** is the 20% darker color. If you saturate the color by 10%, you get **63.3618, 41.9425, 99.3639**, and if you desaturate by 10%, it is **73.1386, 59.4023, 102.2187**.

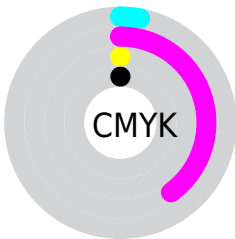
Distribution



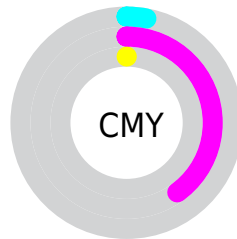
- Red (97%)
- Green (60%)
- Blue (100%)



- Red (97%)
- Yellow (60%)
- Blue (100%)



- Cyan (3%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7990, 49.7766, 100.6422 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 67.7990, 49.7766, 100.6422 by changing the saturation by 10% instead.


 67.7990, 49.7766,
100.6422


 67.7990, 49.7766,
100.6422


442.1714,
385.7917, 583.5139

 50.0073, 35.2359,
76.2171

 115.1080, 89.8438,
164.0990

 35.6370, 23.8447,
56.1028


 145.3561,
116.1391, 203.9678

 24.3228, 15.2184,
39.8808


180.4870,
147.1214, 249.8215

 15.6993, 8.9728,
27.1326

220.8661,
183.1751, 302.0788

 9.4011, 4.7235,
17.4395

266.8587,
224.6846, 361.1582

 5.0629, 2.0859,
10.3831

318.8302,

 2.3194, 0.6567,

272.0342, 427.4781

5.5448

377.1460,
325.6085, 501.4572

■ 0.8045, 0.0000,
2.5060

■ 0.0000, 0.0000,
0.8433

■ 67.7990, 49.7766,
100.6422

■ 67.7990, 49.7766,
100.6422

■ 63.3618, 41.9425,
99.3639

■ 73.1386, 59.4023,
102.2187

■ 59.7649, 35.7789,
98.3638

■ 79.4282, 70.9177,
104.1099

■ 56.9460, 31.1601,
97.6209

■ 86.7177, 84.4215,
106.3322

■ 54.8318, 27.9394,
97.1106

95.0500, 100.0000,
108.9000

■ 53.3348, 25.9422,
96.8040

■ 52.3123, 24.8830,
96.6535

■ 52.3121, 24.8828,
96.6534

Harmonies

Analogous

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



57.0730, 49.7766, 135.6461



67.7990, 49.7766, 100.6422



73.1201, 49.7766, 60.8173

Triad

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



67.7990, 49.7766, 100.6422



49.5692, 49.7766, 12.2752



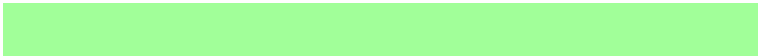
29.7699, 49.7766, 84.8851

Complementary

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



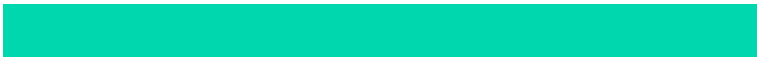
67.7990, 49.7766, 100.6422



56.2089, 81.3975, 42.8881

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.



28.4261, 49.7766, 48.0777



67.7990, 49.7766, 100.6422



38.7312, 49.7766, 14.3607

Square

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



67.7990, 49.7766, 100.6422



61.5484, 49.7766, 17.1505



31.4323, 49.7766, 24.8271



35.4584, 49.7766, 124.2454

Rectangle

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



67.7990, 49.7766, 100.6422



72.3521, 49.7766, 39.9408



31.4323, 49.7766, 24.8271



28.8386, 49.7766, 71.4993

Sweetspot

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



67.8005, 49.7787, 100.6425



85.1760, 81.5543, 105.8600



44.0212, 39.6594, 99.9426



18.0207, 17.0651, 22.5941



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.



67.8005, 49.7787, 100.6425



64.1794, 43.3705, 99.5965



64.5793, 48.8231, 68.6401



18.6438, 18.2236, 22.7848



27.3932, 13.0322, 50.5063



2.7072, 1.2895, 4.9195

Inverse Universe

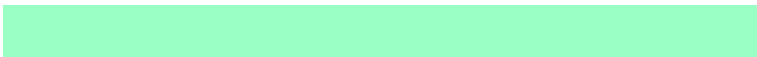
The Inverse Universe completely reimagines the original color for something new.



59.0655, 46.6176, 39.6049



54.4703, 39.8847, 30.4969



58.8052, 82.2558, 64.7061



18.0672, 18.0102, 18.9709



21.6350, 11.1433, 1.4624



2.1255, 1.0926, 0.2424

Previews

White Background



This preview shows how the XYZ color 67.7990, 49.7766, 100.6422 looks on a white background.

Color Contrast Check

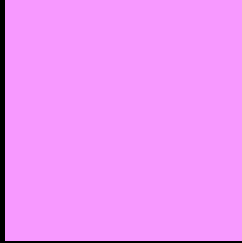
Large Text (above 18pt) WCAG AA × Fail

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 67.7990, 49.7766, 100.6422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

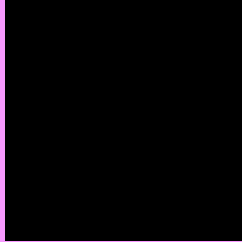
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7990, 49.7766, 100.6422

Background



This preview shows how black text looks on a background with the XYZ color 67.7990, 49.7766, 100.6422.



This preview shows how white text looks on a background with the XYZ color 67.7990, 49.7766,

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

67.7990, 49.7766, 100.6422

Protanopia

51.1248, 50.0249, 101.5689

Deuteranopia

51.4611, 50.3081, 96.6207



Tritanopia

57.5565, 49.7579, 50.8266

Trichromacy



Original Color

67.7990, 49.7766, 100.6422



Protanomaly

55.4992, 48.7092, 101.0844



Deuteranomaly

55.9093, 48.9943, 97.7769

Tritanomaly

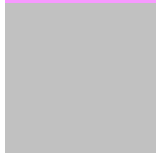
60.8814, 49.4986, 66.6670

Monochromacy



Original Color

67.7990, 49.7766, 100.6422



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

55.7556, 50.9448, 71.8604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7990, 49.7766, 100.6422 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(247, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7990, 49.7766, 100.6422 is called "border". The border property can be set on classes, ids or directly on the HTML element.

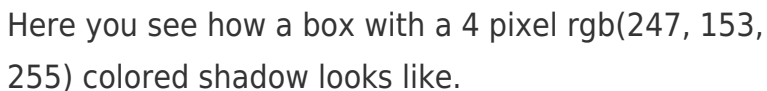
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 153, 255) }
```


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

```
.border{ border-color:rgb(247, 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(247, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 153, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 153, 255); box-shadow:4px 4px 4px 4px rgb(247, 153, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7990, 49.7766, 100.6422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 153, 255) }
```

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

```
.background{ background-color: rgb(247,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor