

Converting Colors

XYZ(43.6361, 30.8005, 98.2530)

Have a look what the booklet for
XYZ(43.6361, 30.8005, 98.2530)
contains.

XYZ(43.5999, 30.7228, 98.2399)	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(43.5999, 30.7228,
98.2399)**

Conversions

Conversions Part 1

Format	Color
Hex	B37AFF
RGB	179, 122, 255
RGB Percent	70%, 48%, 100%
CMY	0.2980, 0.5216, 0.0000
CMYK	0.30, 0.52, 0.00, 0.00
HSL	266°, 100%, 74%
HSV	266°, 52%, 100%
XYZ	43.5999, 30.7228, 98.2399
YIQ	154.2050, -8.7210, 53.4470

Conversions

Conversions Part 2

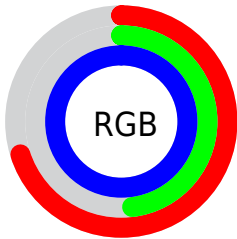
Format	Color
R _Y B	179, 122, 255
Decimal	11762431
CIE Lab	62.27, 48.23, -58.31
CIE LCh	62, 75.668, 309.598
Yxy	30.7228, 0.2527, 0.1780
Android (android.graphics.Color)	4289952511 (0xFFB37AFF)
YUV	154.2050, 49.6919, 21.7452
Hunter-Lab	55.4282, 43.4092, -66.2849

Details

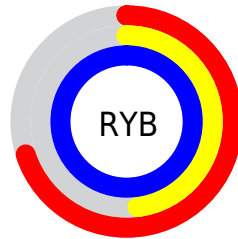
The XYZ color **43.5999, 30.7228, 98.2399** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.5617, 84.9310, 31.5093**, and the grayscale version is **30.5976, 32.1911, 35.0561**.

A 20% lighter version of the original color is **68.8352, 56.4478, 101.8752**, and **20.3573, 12.6753, 54.1969** is the 20% darker color. If you saturate the color by 10%, you get **37.6781, 23.6164, 97.1803**, and if you desaturate by 10%, it is **50.7011, 39.6573, 99.5901**.

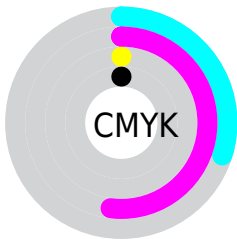
Distribution



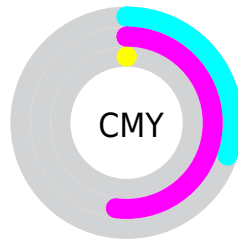
- Red (70%)
- Green (48%)
- Blue (100%)



- Red (70%)
- Yellow (48%)
- Blue (100%)



- Cyan (30%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.5999, 30.7228, 98.2399 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 43.5999, 30.7228, 98.2399 by changing the saturation by 10% instead.


 43.5999, 30.7228,
98.2399


 43.5999, 30.7228,
98.2399

351.9529,
305.2592, 575.7332


 30.5526, 20.3879,
74.2227


 79.8654, 60.8034,
160.7670

 20.4086, 12.6773,
54.4785


 103.8144, 81.3178,
200.1141

 12.8024, 7.2067,
38.5886


 132.1280,
105.9942, 245.4081

 7.3687, 3.5917,
26.1344

165.1716,
135.2169, 297.0678

 3.7421, 1.4479,
16.6976

203.3106,
169.3704, 355.5116

 1.5573, 0.2516,
9.8594

246.9102,

 0.3643, 0.0000,

208.8390, 421.1581

5.2015

296.3358,
254.0072, 494.4257

■ 0.0000, 0.0000,
2.3052

■ 0.0000, 0.0000,
0.7341

■ 43.5999, 30.7228,
98.2399

■ 43.5999, 30.7228,
98.2399

■ 37.6781, 23.6164,
97.1803

■ 50.7011, 39.6573,
99.5901

■ 32.8555, 18.1977,
96.3886

■ 59.0475, 50.5393,
101.2507

■ 29.0460, 14.3103,
95.8390

■ 68.7035, 63.4815,
103.2398

■ 26.1460, 11.7651,
95.5006

■ 79.7277, 78.5871,
105.5745

■ 24.3922, 10.4895,
95.3468

■ 92.1752, 95.9519,
108.2702

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



32.6009, 30.7228, 125.2595



43.5999, 30.7228, 98.2399



51.7585, 30.7228, 57.1522

Triad

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



43.5999, 30.7228, 98.2399



36.6000, 30.7228, 3.5732



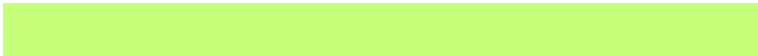
13.7967, 30.7228, 43.7379

Complementary

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



43.5999, 30.7228, 98.2399



62.5617, 84.9310, 31.5093

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.



14.3858, 30.7228, 17.4202



43.5999, 30.7228, 98.2399



26.0463, 30.7228, 2.9907

Square

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



43.5999, 30.7228, 98.2399



47.1075, 30.7228, 8.8771



18.3828, 30.7228, 6.1287



16.5274, 30.7228, 83.6624

Rectangle

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



43.5999, 30.7228, 98.2399



53.5840, 30.7228, 33.8487



18.3828, 30.7228, 6.1287



13.6309, 30.7228, 33.0582

Sweetspot

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



43.6010, 30.7239, 98.2400



75.3241, 72.5178, 104.6351



46.6347, 52.4742, 102.2784



15.6360, 14.8551, 22.2932



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.



43.6010, 30.7239, 98.2400



37.2295, 23.0956, 97.1034



62.2893, 40.3581, 99.1146



17.7412, 17.7583, 22.7426



12.9083, 5.5649, 49.8284



1.3789, 0.6048, 4.8573

Inverse Universe

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



58.3929, 39.2570, 57.9258



54.1526, 32.8793, 50.0293



48.9595, 77.9188, 30.8727



18.4444, 18.1611, 20.9572



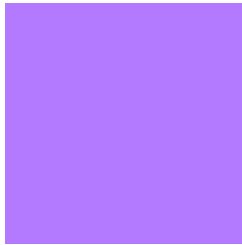
24.3244, 12.2191, 15.6247



2.4231, 1.2116, 1.8097

Previews

White Background



This preview shows how the XYZ color 43.5999, 30.7228, 98.2399 looks on a white background.

Color Contrast Check

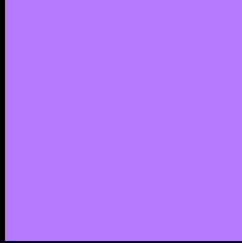
Large Text (above 18pt) WCAG AA × Fail

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 43.5999, 30.7228, 98.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

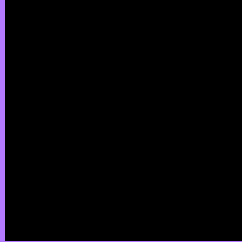
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.5999, 30.7228, 98.2399

Background



This preview shows how black text looks on a background with the XYZ color 43.5999, 30.7228, 98.2399.



This preview shows how white text looks on a background with the XYZ color 43.5999, 30.7228,

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

43.5999, 30.7228, 98.2399

Protanopia

34.1926, 31.0305, 98.7951

Deuteranopia

32.0960, 30.9990, 93.9143



Tritanopia

31.1484, 30.6035, 36.6131

Trichromacy



Original Color

43.5999, 30.7228, 98.2399

Protanomaly

36.4986, 30.2223, 98.5175

Deuteranomaly

34.5364, 29.7143, 95.1819

Tritanomaly

34.7197, 30.0664, 54.4255

Monochromacy



Original Color

43.5999, 30.7228, 98.2399

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.1812, 30.8941, 53.4518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5999, 30.7228, 98.2399 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(179, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 122, 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(179, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.5999, 30.7228, 98.2399 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(179, 122, 255) }
```


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

```
.border{ border-color:rgb(179, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5999, 30.7228, 98.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 122, 255) }
```

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

```
.background{ background-color: rgb(179,  
122, 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