

Converting Colors

XYZ(42.5990, 30.7745, 98.3026)

Have a look what the booklet for
XYZ(42.5990, 30.7745, 98.3026)
contains.

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Color

**XYZ(42.6172, 30.7715,
98.3011)**

Conversions

Conversions Part 1

Format	Color
Hex	AD7DFF
RGB	173, 125, 255
RGB Percent	68%, 49%, 100%
CMY	0.3216, 0.5098, 0.0000
CMYK	0.32, 0.51, 0.00, 0.00
HSL	262°, 100%, 75%
HSV	262°, 51%, 100%
XYZ	42.6172, 30.7715, 98.3011
YIQ	154.1720, -13.1220, 50.6060

Conversions

Conversions Part 2

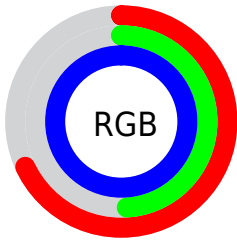
Format	Color
RYB	173, 125, 255
Decimal	11369983
CIELab	62.31, 45.13, -58.27
CIELCh	62, 73.708, 307.757
Yxy	30.7715, 0.2482, 0.1792
Android (android.graphics.Color)	4289560063 (0xFFAD7DFF)
YUV	154.1720, 49.7082, 16.5122
Hunter-Lab	55.4721, 40.0590, -66.2364

Details

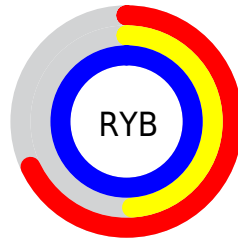
The XYZ color **42.6172, 30.7715, 98.3011** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **65.1938, 86.2660, 32.6179**, and the grayscale version is **30.5845, 32.1773, 35.0411**.

A 20% lighter version of the original color is **67.1251, 56.4491, 101.9656**, and **19.7293, 12.6418, 54.2236** is the 20% darker color. If you saturate the color by 10%, you get **36.4485, 23.3992, 97.2032**, and if you desaturate by 10%, it is **50.0448, 40.0236, 99.6954**.

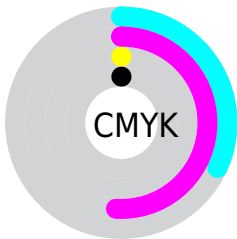
Distribution



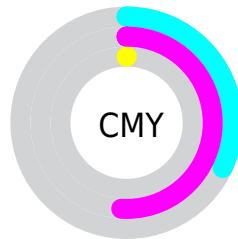
- Red (68%)
- Green (49%)
- Blue (100%)



- Red (68%)
- Yellow (49%)
- Blue (100%)



- Cyan (32%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6172, 30.7715, 98.3011 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 42.6172, 30.7715, 98.3011 by changing the saturation by 10% instead.


 42.6172, 30.7715,
98.3011


 42.6172, 30.7715,
98.3011

347.9834,
305.4842, 575.9321

 29.7781, 20.4249,
74.2735


 78.3922, 60.8801,
160.8520

 19.8175, 12.7043,
54.5198

 102.0588, 81.4110,
200.2124

 12.3699, 7.2252,
38.6214


 130.0653,
106.1054, 245.5208

 7.0701, 3.6034,
26.1597

162.7770,
135.3477, 297.1958

 3.5527, 1.4543,
16.7164

200.5593,
169.5223, 355.6559

 1.4523, 0.2562,
9.8726

243.7776,

 0.2931, 0.0000,

209.0137, 421.3196

5.2101

292.7972,
254.2062, 494.6055

■ 0.0000, 0.0000,
2.3102

■ 0.0000, 0.0000,
0.7369

■ 42.6172, 30.7715,
98.3011

■ 42.6172, 30.7715,
98.3011

■ 36.4485, 23.3992,
97.2032

■ 50.0448, 40.0236,
99.6954

■ 31.4554, 17.7662,
96.3791

■ 58.8002, 51.2754,
101.4058

■ 27.5487, 13.7165,
95.8033

■ 68.9510, 64.6405,
103.4505

■ 24.6222, 11.0630,
95.4454

■ 80.5588, 80.2229,
105.8464

■ 22.6822, 9.6080,
95.2668

■ 93.6814, 98.1195,
108.6092

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.



31.9104, 30.7715, 122.5813



42.6172, 30.7715, 98.3011



50.8061, 30.7715, 58.8619

Triad

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



42.6172, 30.7715, 98.3011



37.1155, 30.7715, 4.0572



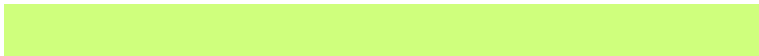
14.0748, 30.7715, 41.4704

Complementary

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



42.6172, 30.7715, 98.3011



65.1938, 86.2660, 32.6179

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.



14.8567, 30.7715, 16.7313



42.6172, 30.7715, 98.3011



26.7368, 30.7715, 3.2423

Square

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



42.6172, 30.7715, 98.3011



47.1600, 30.7715, 9.8862



19.0146, 30.7715, 6.1533



16.5646, 30.7715, 79.5843

Rectangle

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



42.6172, 30.7715, 98.3011



52.8724, 30.7715, 35.6981



19.0146, 30.7715, 6.1533



13.9764, 30.7715, 31.4034

Sweetspot

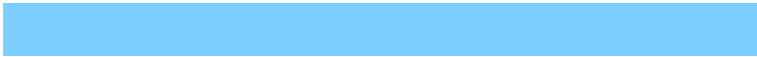
The Sweet Spot groups the original color and five complimentary colors.



42.6183, 30.7726, 98.3012



75.7127, 73.6848, 104.8398



48.9018, 56.3680, 102.9105



15.6825, 15.0694, 22.3321



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.



42.6183, 30.7726, 98.3012



36.4370, 23.3858, 97.2012



60.5322, 40.0075, 99.1396



17.6365, 17.7043, 22.7377



12.0021, 5.0978, 49.7860



1.2841, 0.5559, 4.8529

Inverse Universe

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



59.8364, 40.4329, 63.6816



55.8874, 34.3263, 56.8428



50.6749, 78.7813, 31.9384



18.4915, 18.1799, 21.2052



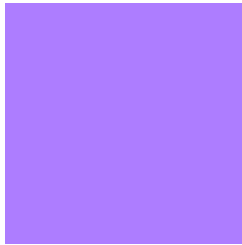
24.9774, 12.4803, 19.0635



2.4847, 1.2363, 2.1340

Previews

White Background



This preview shows how the XYZ color 42.6172, 30.7715, 98.3011 looks on a white background.

Color Contrast Check

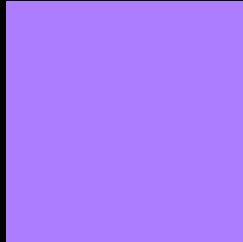
Large Text (above 18pt) WCAG AA × Fail

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 42.6172, 30.7715, 98.3011 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 42.6172, 30.7715, 98.3011

Background



This preview shows how black text looks on a background with the XYZ color 42.6172, 30.7715, 98.3011.



This preview shows how white text looks on a background with the XYZ color 42.6172, 30.7715,

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

42.6172, 30.7715, 98.3011

Protanopia

34.1926, 31.0305, 98.7951

Deuteranopia

32.1649, 31.2745, 93.9638



Tritanopia

30.2615, 30.5879, 37.5668

Trichromacy



Original Color

42.6172, 30.7715, 98.3011



Protanomaly

36.3359, 30.3524, 98.5512



Deuteranomaly

34.5568, 30.1626, 95.2674



Tritanomaly

33.9264, 30.2734, 55.6850

Monochromacy



Original Color

42.6172, 30.7715, 98.3011



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

33.9244, 30.9836, 53.4826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6172, 30.7715, 98.3011 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(173, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 125, 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(173, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.6172, 30.7715, 98.3011 is called "border". The border property can be set on classes, ids or directly on the HTML element.

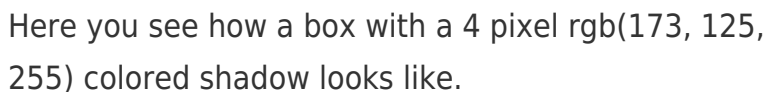
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 125, 255) }
```


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

```
.border{ border-color:rgb(173, 125, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 125,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6172, 30.7715, 98.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 125, 255) }
```

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

```
.background{ background-color: rgb(173,  
125, 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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