

Converting Colors

XYZ(53.5418, 35.9319,
158.1580)

Have a look what the booklet for
XYZ(53.5418, 35.9319, 158.1580)
contains.

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Color

**XYZ(42.0487, 31.2453,
98.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	A881FF
RGB	168, 129, 255
RGB Percent	66%, 51%, 100%
CMY	0.3412, 0.4941, 0.0000
CMYK	0.34, 0.49, 0.00, 0.00
HSL	259°, 100%, 75%
HSV	259°, 49%, 100%
XYZ	42.0487, 31.2453, 98.4225
YIQ	155.0250, -17.2020, 47.4540

Conversions

Conversions Part 2

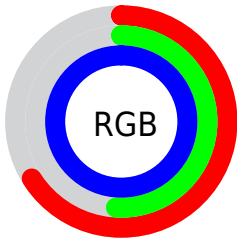
Format	Color
R_{YB}	168, 129, 255
Decimal	11043327
CIE _{Lab}	62.71, 41.70, -57.66
CIE _{LCh}	63, 71.162, 305.873
Y _{xy}	31.2453, 0.2449, 0.1820
Android (android.graphics.Color)	4289233407 (0xFFA881FF)
Y _{UV}	155.0250, 49.2877, 11.3791
Hunter-Lab	55.8975, 36.4554, -65.2677

Details

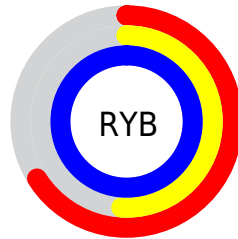
The XYZ color **42.0487, 31.2453, 98.4225** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **68.0410, 87.7037, 34.1121**, and the grayscale version is **30.9621, 32.5746, 35.4737**.

A 20% lighter version of the original color is **66.3475, 57.2557, 102.1623**, and **19.5446, 13.0487, 54.9146** is the 20% darker color. If you saturate the color by 10%, you get **35.6013, 23.5425, 97.2755**, and if you desaturate by 10%, it is **49.8439, 40.8878, 99.8728**.

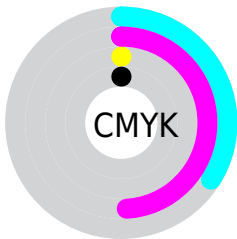
Distribution



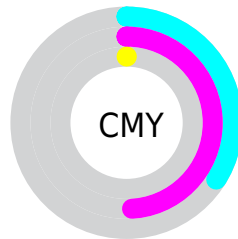
- Red (66%)
- Green (51%)
- Blue (100%)



- Red (66%)
- Yellow (51%)
- Blue (100%)



- Cyan (34%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0487, 31.2453, 98.4225 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 42.0487, 31.2453, 98.4225 by changing the saturation by 10% instead.


 42.0487, 31.2453,
98.4225


 42.0487, 31.2453,
98.4225


345.6730,
307.6668, 576.3265

 29.3307, 20.7857,
74.3742


 77.5380, 61.6261,
161.0206

 19.4767, 12.9675,
54.6017

 101.0401, 82.3160,
200.4074

 12.1213, 7.4061,
38.6865


 128.8675,
107.1849, 245.7443

 6.8991, 3.7174,
26.2100

161.3857,
136.6171, 297.4496

 3.4448, 1.5168,
16.7536

198.9600,
170.9970, 355.9419

 1.3931, 0.3005,
9.8989

241.9557,

 0.2513, 0.0000,

210.7090, 421.6398

5.2272

290.7382,
256.1375, 494.9619

■ 0.0000, 0.0000,
2.3201

■ 0.0000, 0.0000,
0.7425

■ 42.0487, 31.2453,
98.4225

■ 42.0487, 31.2453,
98.4225

■ 35.6013, 23.5425,
97.2755

■ 49.8439, 40.8878,
99.8728

■ 30.4144, 17.6386,
96.4093

■ 59.0596, 52.5905,
101.6459

■ 26.3950, 13.3784,
95.7989

■ 69.7669, 66.4679,
103.7602

■ 23.4335, 10.5772,
95.4143

■ 82.0312, 82.6249,
106.2324

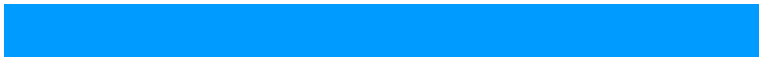
■ 21.3721, 8.9568, 95.0500, 100.0000,
95.2101 108.9000

■ 21.2689, 8.8794,
95.2006

Harmonies

Analogous

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



31.6510, 31.2453, 119.8529



42.0487, 31.2453, 98.4225



50.2245, 31.2453, 60.9207

Triad

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



42.0487, 31.2453, 98.4225



38.0098, 31.2453, 4.8238



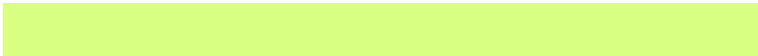
14.7178, 31.2453, 39.7955

Complementary

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



42.0487, 31.2453, 98.4225



68.0410, 87.7037, 34.1121

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.



15.6998, 31.2453, 16.4987



42.0487, 31.2453, 98.4225



27.8265, 31.2453, 3.7249

Square

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



42.0487, 31.2453, 98.4225



47.5592, 31.2453, 11.3097



20.0384, 31.2453, 6.4712



16.9833, 31.2453, 76.0036

Rectangle

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



42.0487, 31.2453, 98.4225



52.5067, 31.2453, 38.0199



20.0384, 31.2453, 6.4712



14.6868, 31.2453, 30.3125

Sweetspot

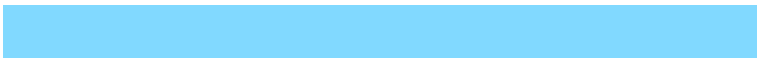
The Sweet Spot groups the original color and five complimentary colors.



42.0499, 31.2464, 98.4226



74.9809, 73.3076, 104.8056



51.9682, 61.6166, 103.7619



15.5074, 14.9792, 22.3239



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.



42.0499, 31.2464, 98.4226



35.8408, 23.8226, 97.3169



58.4697, 39.7111, 99.1911



17.5319, 17.6504, 22.7328



11.2470, 4.7085, 49.7506



1.2014, 0.5133, 4.8490

Inverse Universe

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



61.4850, 41.9189, 69.8152



57.6839, 35.8470, 63.8307



53.0875, 79.9949, 33.4123



18.5392, 18.1990, 21.4567



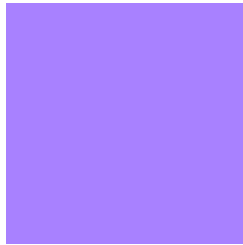
25.7171, 12.7761, 22.9583



2.5531, 1.2636, 2.4939

Previews

White Background



This preview shows how the XYZ color 42.0487, 31.2453, 98.4225 looks on a white background.

Color Contrast Check

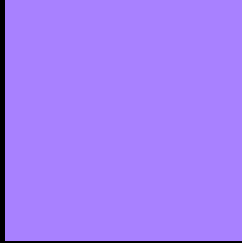
Large Text (above 18pt) WCAG AA × Fail

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 42.0487, 31.2453, 98.4225 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 42.0487, 31.2453, 98.4225

Background



This preview shows how black text looks on a background with the XYZ color 42.0487, 31.2453, 98.4225.



This preview shows how white text looks on a background with the XYZ color 42.0487, 31.2453,

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

42.0487, 31.2453, 98.4225

Protanopia

34.5838, 31.4640, 98.8581

Deuteranopia

32.5081, 31.4333, 94.7964



Tritanopia

30.0719, 31.1671, 39.0812

Trichromacy



Original Color

42.0487, 31.2453, 98.4225

Protanomaly

36.6281, 30.9369, 98.6486

Deuteranomaly

34.8801, 30.7567, 96.1937

Tritanomaly

33.4966, 30.6984, 56.3845

Monochromacy



Original Color

42.0487, 31.2453, 98.4225

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.1801, 31.7929, 53.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0487, 31.2453, 98.4225 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(168, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 129, 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(168, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 129, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0487, 31.2453, 98.4225 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(168, 129, 255) }
```


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

```
.border{ border-color:rgb(168, 129, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 129, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 129, 255); box-shadow:4px 4px 4px 4px rgb(168, 129, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0487, 31.2453, 98.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 129, 255) }
```

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

```
.background{ background-color: rgb(168,  
129, 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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