

Converting Colors

XYZ(46.8018, 32.2472,
126.7301)

Have a look what the booklet for
XYZ(46.8018, 32.2472, 126.7301)
contains.

XYZ(41.5321, 30.2121, 98.2503)	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(41.5321, 30.2121,
98.2503)**

Conversions

Conversions Part 1

Format	Color
Hex	A87DFF
RGB	168, 125, 255
RGB Percent	66%, 49%, 100%
CMY	0.3412, 0.5098, 0.0000
CMYK	0.34, 0.51, 0.00, 0.00
HSL	260°, 100%, 75%
HSV	260°, 51%, 100%
XYZ	41.5321, 30.2121, 98.2503
YIQ	152.6770, -16.1020, 49.5460

Conversions

Conversions Part 2

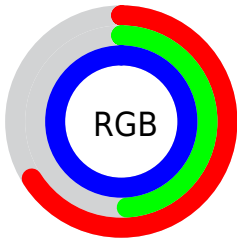
Format	Color
R _Y B	168, 125, 255
Decimal	11042303
CIE Lab	61.84, 43.92, -59.06
CIE LCh	62, 73.601, 306.631
Yxy	30.2121, 0.2443, 0.1777
Android (android.graphics.Color)	4289232383 (0xFFA87DFF)
YUV	152.6770, 50.4452, 13.4383
Hunter-Lab	54.9655, 38.6854, -67.5044

Details

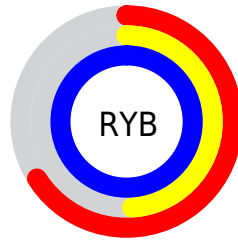
The XYZ color **41.5321, 30.2121, 98.2503** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **66.6128, 86.9976, 32.6843**, and the grayscale version is **29.9322, 31.4910, 34.2937**.

A 20% lighter version of the original color is **65.5341, 55.6290, 101.8912**, and **19.0824, 12.3083, 54.1933** is the 20% darker color. If you saturate the color by 10%, you get **35.3108, 22.8127, 97.1499**, and if you desaturate by 10%, it is **49.0609, 39.5163, 99.6494**.

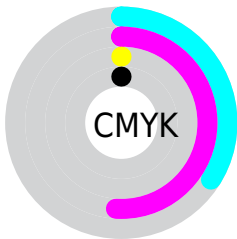
Distribution



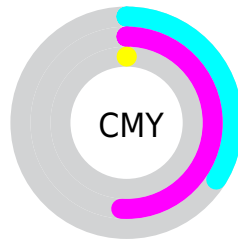
- Red (66%)
- Green (49%)
- Blue (100%)



- Red (66%)
- Yellow (49%)
- Blue (100%)



- Cyan (34%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5321, 30.2121, 98.2503 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 41.5321, 30.2121, 98.2503 by changing the saturation by 10% instead.

41.5321, 30.2121,
98.2503

41.5321, 30.2121,
98.2503

343.5644,
302.8918, 575.7670

28.9246, 19.9996,
74.2314

76.7606, 59.9974,
160.7815

19.1678, 12.3948,
54.4855

100.1123, 80.3391,
200.1308

11.8963, 7.0131,
38.5941

127.7761,
104.8260, 245.4273

6.7448, 3.4703,
26.1387

160.1174,
133.8424, 297.0896

3.3479, 1.3819,
16.7008

197.5015,
167.7728, 355.5361

1.3403, 0.2033,
9.8617

240.2938,

0.2131, 0.0000,

207.0016, 421.1855

5.2029

288.8596,
251.9131, 494.4563

■ 0.0000, 0.0000,
2.3060

■ 0.0000, 0.0000,
0.7346

■ 41.5321, 30.2121,
98.2503

■ 41.5321, 30.2121,
98.2503

■ 35.3108, 22.8127,
97.1499

■ 49.0609, 39.5163,
99.6494

■ 30.3104, 17.1759,
96.3255

■ 57.9692, 50.8469,
101.3669

■ 26.4381, 13.1439,
95.7513

■ 68.3273, 64.3189,
103.4213

■ 23.5837, 10.5277,
95.3968

■ 80.1995, 80.0376,
105.8296

■ 21.7376, 9.1210,
95.2226

■ 93.6462, 98.1013,
108.6075

■ 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.



30.9538, 30.2121, 121.2638



41.5321, 30.2121, 98.2503



49.7921, 30.2121, 59.3726

Triad

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



41.5321, 30.2121, 98.2503



36.8829, 30.2121, 4.0274



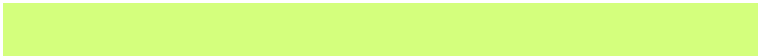
13.7371, 30.2121, 39.5503

Complementary

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



41.5321, 30.2121, 98.2503



66.6128, 86.9976, 32.6843

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.



14.6265, 30.2121, 15.7592



41.5321, 30.2121, 98.2503



26.5881, 30.2121, 3.1034

Square

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



41.5321, 30.2121, 98.2503



46.7082, 30.2121, 10.0170



18.8512, 30.2121, 5.7734



16.0630, 30.2121, 76.9099

Rectangle

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



41.5321, 30.2121, 98.2503



52.0147, 30.2121, 36.1798



18.8512, 30.2121, 5.7734



13.6798, 30.2121, 29.8169

Sweetspot

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



41.5332, 30.2132, 98.2504



75.2402, 73.4412, 104.8177



50.5124, 59.5894, 103.4474



15.5694, 15.0111, 22.3268



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.



41.5332, 30.2132, 98.2504



35.2992, 22.7993, 97.1480



58.3929, 38.9046, 99.0394



17.5690, 17.6695, 22.7345



11.4982, 4.8380, 49.7624



1.2294, 0.5277, 4.8503

Inverse Universe

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



60.4574, 40.6813, 66.9523



56.5893, 34.6071, 60.5390



51.8263, 79.3748, 31.9923



18.5222, 18.1922, 21.3670



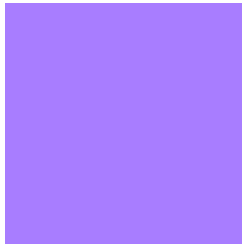
25.4442, 12.6670, 21.5215



2.5280, 1.2536, 2.3619

Previews

White Background



This preview shows how the XYZ color 41.5321, 30.2121, 98.2503 looks on a white background.

Color Contrast Check

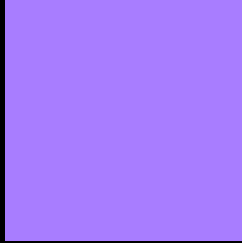
Large Text (above 18pt) WCAG AA × Fail

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 41.5321, 30.2121, 98.2503 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 41.5321, 30.2121, 98.2503

Background



This preview shows how black text looks on a background with the XYZ color 41.5321, 30.2121, 98.2503.



This preview shows how white text looks on a background with the XYZ color 41.5321, 30.2121,

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

41.5321, 30.2121, 98.2503

Protanopia

33.6957, 30.5445, 98.7275

Deuteranopia

31.5550, 30.4642, 94.6595



Tritanopia

29.1478, 30.0138, 37.5147

Trichromacy



Original Color

41.5321, 30.2121, 98.2503

Protanomaly

35.5959, 29.7569, 98.4753

Deuteranomaly

33.9056, 29.5887, 96.0196

Tritanomaly

32.7460, 29.6649, 55.6297

Monochromacy



Original Color

41.5321, 30.2121, 98.2503

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.2173, 30.6317, 52.8770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5321, 30.2121, 98.2503 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, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.5321, 30.2121, 98.2503 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, 125, 255) }
```


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

```
.border{ border-color:rgb(168, 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(168, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 125,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5321, 30.2121, 98.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 125, 255) }
```

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

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