

Converting Colors

XYZ(41.9501, 31.9109, 98.5562)

Have a look what the booklet for
XYZ(41.9501, 31.9109, 98.5562)
contains.

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Color

**XYZ(41.9546, 31.9944,
98.5720)**

Conversions

Conversions Part 1

Format	Color
Hex	A585FF
RGB	165, 133, 255
RGB Percent	65%, 52%, 100%
CMY	0.3529, 0.4784, 0.0000
CMYK	0.35, 0.48, 0.00, 0.00
HSL	256°, 100%, 76%
HSV	256°, 48%, 100%
XYZ	41.9546, 31.9944, 98.5720
YIQ	156.4760, -20.0900, 44.7260

Conversions

Conversions Part 2

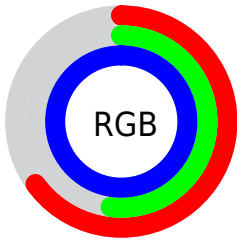
Format	Color
RYB	165, 133, 255
Decimal	10847743
CIELab	63.34, 38.73, -56.69
CIElCh	63, 68.651, 304.339
Yxy	31.9944, 0.2432, 0.1855
Android (android.graphics.Color)	4289037823 (0xFFA585FF)
YUV	156.4760, 48.5723, 7.4755
Hunter-Lab	56.5636, 33.4115, -63.7287

Details

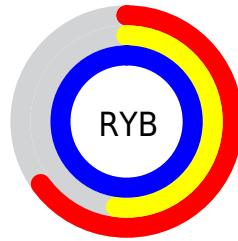
The XYZ color **41.9546, 31.9944, 98.5720** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.4247, 88.9012, 35.6391**, and the grayscale version is **31.6097, 33.2558, 36.2156**.

A 20% lighter version of the original color is **66.2517, 58.4486, 102.3976**, and **19.4706, 13.4519, 54.9963** is the 20% darker color. If you saturate the color by 10%, you get **35.2487, 23.9692, 97.3764**, and if you desaturate by 10%, it is **50.0857, 42.0130, 100.0773**.

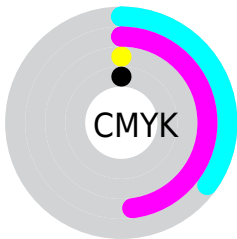
Distribution



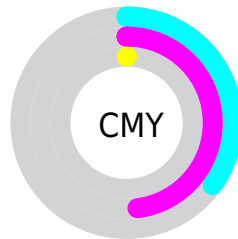
- Red (65%)
- Green (52%)
- Blue (100%)



- Red (65%)
- Yellow (52%)
- Blue (100%)



- Cyan (35%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9546, 31.9944, 98.5720 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 41.9546, 31.9944, 98.5720 by changing the saturation by 10% instead.

41.9546, 31.9944,
98.5720

41.9546, 31.9944,
98.5720

345.2895,
311.0937, 576.8121

29.2567, 21.3572,
74.4983

77.3965, 62.8023,
161.2281

19.4204, 13.3854,
54.7027

100.8712, 83.7418,
200.6476

12.0802, 7.6944,
38.7667

128.6689,
108.8843, 246.0194

6.8709, 3.9001,
26.2719

161.1549,
138.6140, 297.7620

3.4271, 1.6178,
16.7996

198.6947,
173.3154, 356.2941

1.3834, 0.3696,
9.9312

241.6534,

0.2444, 0.0000,

213.3729, 422.0341

5.2484

290.3966,
259.1709, 495.4006

■ 0.0000, 0.0000,
2.3324

■ 0.0000, 0.0000,
0.7493

■ 41.9546, 31.9944,
98.5720

■ 41.9546, 31.9944,
98.5720

■ 35.2487, 23.9692,
97.3764

■ 50.0857, 42.0130,
100.0773

■ 29.8769, 17.7964,
96.4681

■ 59.7179, 54.1461,
101.9115

■ 25.7427, 13.3214,
95.8222

■ 70.9260, 68.5088,
104.0931

■ 22.7332, 10.3618,
95.4096

■ 83.7785, 85.2068,
106.6387

■ 20.7045, 8.6771,
95.1913

95.0500, 100.0000,
108.9000

■ 20.3572, 8.4094,
95.1580

Harmonies

Analogous

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



31.8165, 31.9944, 117.6752



41.9546, 31.9944, 98.5720



50.0849, 31.9944, 62.8437

Triad

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



41.9546, 31.9944, 98.5720



39.0500, 31.9944, 5.7212



15.5596, 31.9944, 38.9575

Complementary

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



41.9546, 31.9944, 98.5720



70.4247, 88.9012, 35.6391

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.



16.7087, 31.9944, 16.7019



41.9546, 31.9944, 98.5720



29.0450, 31.9944, 4.3432

Square

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



41.9546, 31.9944, 98.5720



48.1772, 31.9944, 12.8353



21.2046, 31.9944, 6.9957



17.6556, 31.9944, 73.5897

Rectangle

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



41.9546, 31.9944, 98.5720



52.5178, 31.9944, 40.2705



21.2046, 31.9944, 6.9957



15.5832, 31.9944, 29.9147

Sweetspot

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



41.9558, 31.9955, 98.5722



75.6660, 74.6426, 105.0272



54.5137, 65.7876, 104.4328



15.6194, 15.2301, 22.3664



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.



41.9558, 31.9955, 98.5722



35.7607, 24.5716, 97.4657



57.3337, 39.9232, 99.2919



17.4498, 17.6081, 22.7289



10.7552, 4.4550, 49.7276



1.1445, 0.4840, 4.8464

Inverse Universe

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



62.9469, 43.3634, 74.8632



59.2861, 37.3396, 69.6414



55.2010, 81.0531, 34.9266



18.5773, 18.2142, 21.6570



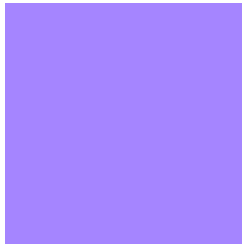
26.3627, 13.0344, 26.3579



2.6118, 1.2871, 2.8030

Previews

White Background



This preview shows how the XYZ color 41.9546, 31.9944, 98.5720 looks on a white background.

Color Contrast Check

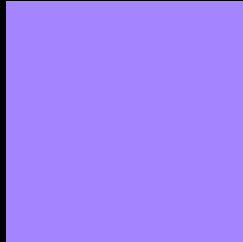
Large Text (above 18pt) WCAG AA × Fail

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 41.9546, 31.9944, 98.5720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

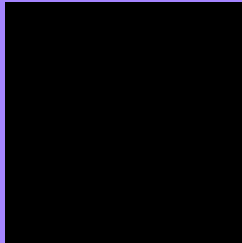
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9546, 31.9944, 98.5720

Background



This preview shows how black text looks on a background with the XYZ color 41.9546, 31.9944, 98.5720.



This preview shows how white text looks on a background with the XYZ color 41.9546, 31.9944,

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

41.9546, 31.9944, 98.5720

Protanopia

35.2630, 32.2839, 98.9806

Deuteranopia

33.3251, 32.3405, 94.9284



Tritanopia

30.2926, 31.9754, 40.6517

Trichromacy



Original Color

41.9546, 31.9944, 98.5720

Protanomaly

37.0765, 31.8336, 98.7981

Deuteranomaly

35.4573, 31.5080, 96.3083

Tritanomaly

33.6088, 31.4073, 57.7169

Monochromacy



Original Color

41.9546, 31.9944, 98.5720

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.4024, 32.3565, 54.3014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9546, 31.9944, 98.5720 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(165, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 133, 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(165, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9546, 31.9944, 98.5720 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(165, 133, 255) }
```


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

```
.border{ border-color:rgb(165, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9546, 31.9944, 98.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 133, 255) }
```

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

```
.background{ background-color: rgb(165,  
133, 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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