

Converting Colors

XYZ(45.1877, 30.8941,
122.6568)

Have a look what the booklet for
XYZ(45.1877, 30.8941, 122.6568)
contains.

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Color

**XYZ(40.4044, 28.8941,
98.0553)**

Conversions

Conversions Part 1

Format	Color
Hex	A579FF
RGB	165, 121, 255
RGB Percent	65%, 47%, 100%
CMY	0.3529, 0.5255, 0.0000
CMYK	0.35, 0.53, 0.00, 0.00
HSL	260°, 100%, 74%
HSV	260°, 53%, 100%
XYZ	40.4044, 28.8941, 98.0553
YIQ	149.4320, -16.7900, 51.0020

Conversions

Conversions Part 2

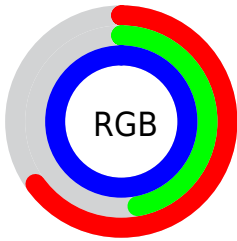
Format	Color
R _Y B	165, 121, 255
Decimal	10844671
CIE Lab	60.69, 45.40, -60.92
CIE LCh	61, 75.974, 306.697
Yxy	28.8941, 0.2414, 0.1727
Android (android.graphics.Color)	4289034751 (0xFFA579FF)
YUV	149.4320, 52.0450, 13.6531
Hunter-Lab	53.7532, 40.1040, -70.5281

Details

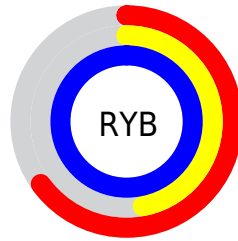
The XYZ color **40.4044, 28.8941, 98.0553** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **66.0750, 86.7492, 31.3517**, and the grayscale version is **28.5426, 30.0290, 32.7016**.

A 20% lighter version of the original color is **63.9265, 53.3394, 101.5340**, and **18.5156, 11.7258, 54.1108** is the 20% darker color. If you saturate the color by 10%, you get **34.3782, 21.7797, 96.9997**, and if you desaturate by 10%, it is **47.7287, 37.8940, 99.4064**.

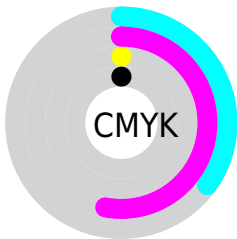
Distribution



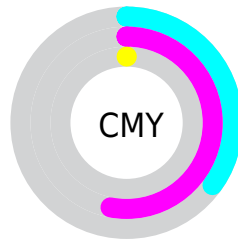
- Red (65%)
- Green (47%)
- Blue (100%)



- Red (65%)
- Yellow (47%)
- Blue (100%)



- Cyan (35%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4044, 28.8941, 98.0553 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 40.4044, 28.8941, 98.0553 by changing the saturation by 10% instead.


 40.4044, 28.8941,
98.0553


 40.4044, 28.8941,
98.0553

338.9304,
296.7150, 575.1329

 28.0396, 19.0007,
74.0696


 75.0594, 57.9088,
160.5106

 18.4961, 11.6708,
54.3539


 98.0802, 77.7989,
199.8174

 11.4086, 6.5199,
38.4896


 125.3838,
101.7900, 245.0682

 6.4117, 3.1637,
26.0581

157.3355,
130.2666, 296.6817

 3.1400, 1.2178,
16.6410

194.3007,
163.6130, 355.0764

 1.2282, 0.0762,
9.8196

236.6446,

 0.1285, 0.0000,

202.2136, 420.6708

5.1755

284.7328,
246.4528, 493.8835

■ 0.0000, 0.0000,
2.2900

■ 0.0000, 0.0000,
0.7256

■ 40.4044, 28.8941,
98.0553

■ 40.4044, 28.8941,
98.0553

■ 34.3782, 21.7797,
96.9997

■ 47.7287, 37.8940,
99.4064

■ 29.5618, 16.4061,
96.2163

■ 56.4244, 48.9033,
101.0731

■ 25.8602, 12.6113,
95.6790

■ 66.5628, 62.0385,
103.0741

■ 23.1593, 10.1997,
95.3559

■ 78.2093, 77.4062,
105.4266

■ 21.6825, 9.0926,
95.2200

■ 91.4248, 95.1059,
108.1464

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.



29.7310, 28.8941, 121.9086



40.4044, 28.8941, 98.0553



48.7842, 28.8941, 58.1610

Triad

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



40.4044, 28.8941, 98.0553



35.6559, 28.8941, 3.3139



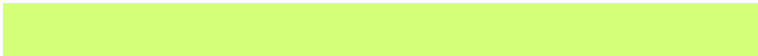
12.6223, 28.8941, 38.2184

Complementary

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



40.4044, 28.8941, 98.0553



66.0750, 86.7492, 31.3517

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.



13.4843, 28.8941, 14.5139



40.4044, 28.8941, 98.0553



25.3133, 28.8941, 2.4895

Square

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



40.4044, 28.8941, 98.0553



45.6163, 28.8941, 8.9069



17.6300, 28.8941, 4.9341



14.9059, 28.8941, 76.2708

Rectangle

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



40.4044, 28.8941, 98.0553



51.0376, 28.8941, 34.6901



17.6300, 28.8941, 4.9341



12.5642, 28.8941, 28.4383

Sweetspot

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



40.4055, 28.8951, 98.0554



74.0146, 71.8427, 104.5738



49.6211, 58.6563, 103.3142



15.3256, 14.6951, 22.2786



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.



40.4055, 28.8951, 98.0554



34.1350, 21.5004, 96.9586



57.6602, 37.7902, 98.8630



17.5648, 17.6674, 22.7343



11.4688, 4.8228, 49.7610



1.2262, 0.5260, 4.8502

Inverse Universe

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



59.8354, 39.6384, 66.1245



55.9638, 33.6038, 59.5670



50.9889, 78.9721, 30.6457



18.5241, 18.1930, 21.3771



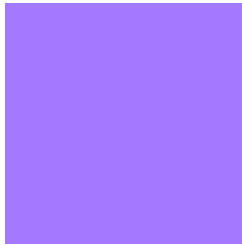
25.4747, 12.6792, 21.6819



2.5308, 1.2547, 2.3766

Previews

White Background



This preview shows how the XYZ color 40.4044, 28.8941, 98.0553 looks on a white background.

Color Contrast Check

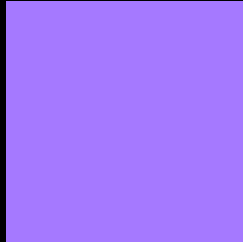
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4044, 28.8941, 98.0553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

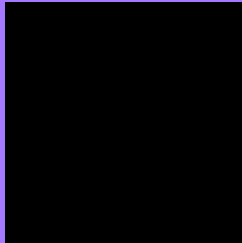
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.4044, 28.8941, 98.0553

Background



This preview shows how black text looks on a background with the XYZ color 40.4044, 28.8941, 98.0553.



This preview shows how white text looks on a background with the XYZ color 40.4044, 28.8941,

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

40.4044, 28.8941, 98.0553

Protanopia

32.5918, 29.2978, 98.5450

Deuteranopia

30.2873, 29.3590, 93.6931



Tritanopia

27.7128, 28.6144, 35.9608

Trichromacy



Original Color

40.4044, 28.8941, 98.0553

Protanomaly

34.4597, 28.5410, 98.3005

Deuteranomaly

32.3268, 28.1453, 94.9956

Tritanomaly

31.3787, 28.1340, 54.2286

Monochromacy



Original Color

40.4044, 28.8941, 98.0553

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.8273, 29.0646, 51.5095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4044, 28.8941, 98.0553 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, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 121, 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, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 121, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.4044, 28.8941, 98.0553 is called "border". The border property can be set on classes, ids or directly on the HTML element.

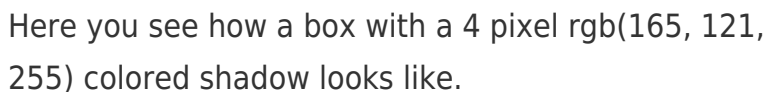
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 121, 255) }
```


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

```
.border{ border-color:rgb(165, 121, 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, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 121, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 121, 255); box-shadow:4px 4px 4px 4px rgb(165, 121, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4044, 28.8941, 98.0553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 121, 255) }
```

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

```
.background{ background-color: rgb(165,  
121, 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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