

Converting Colors

XYZ(40.7331, 27.8473, 97.8359)

Have a look what the booklet for
XYZ(40.7331, 27.8473, 97.8359)
contains.

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Color

**XYZ(40.6449, 27.8007,
97.8316)**

Conversions

Conversions Part 1

Format	Color
Hex	AA72FF
RGB	170, 114, 255
RGB Percent	67%, 45%, 100%
CMY	0.3333, 0.5529, 0.0000
CMYK	0.33, 0.55, 0.00, 0.00
HSL	264°, 100%, 72%
HSV	264°, 55%, 100%
XYZ	40.6449, 27.8007, 97.8316
YIQ	146.8180, -11.8850, 55.7230

Conversions

Conversions Part 2

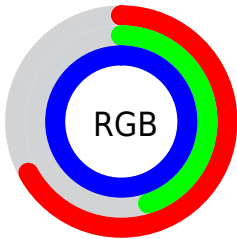
Format	Color
R _Y B	170, 114, 255
Decimal	11170559
CIE _{Lab}	59.71, 50.37, -62.46
CIE _{LCh}	60, 80.238, 308.884
Y _{xy}	27.8007, 0.2444, 0.1672
Android (android.graphics.Color)	4289360639 (0xFFAA72FF)
Y _{UV}	146.8180, 53.3337, 20.3306
Hunter-Lab	52.7264, 45.3282, -73.1017

Details

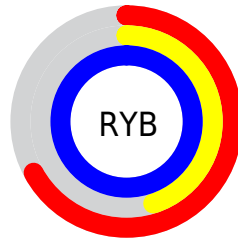
The XYZ color **40.6449, 27.8007, 97.8316** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.3502, 84.8769, 29.0170**, and the grayscale version is **27.4495, 28.8790, 31.4493**.

A 20% lighter version of the original color is **64.3657, 51.8833, 101.2298**, and **18.5376, 11.0310, 53.9755** is the 20% darker color. If you saturate the color by 10%, you get **35.0281, 21.2144, 96.8563**, and if you desaturate by 10%, it is **47.4539, 36.1922, 99.0924**.

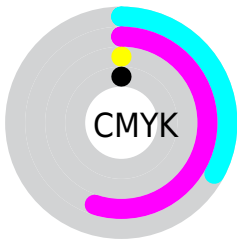
Distribution



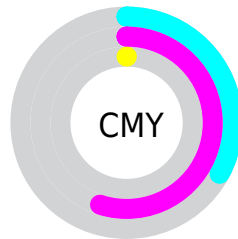
- Red (67%)
- Green (45%)
- Blue (100%)



- Red (67%)
- Yellow (45%)
- Blue (100%)



- Cyan (33%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6449, 27.8007, 97.8316 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 40.6449, 27.8007, 97.8316 by changing the saturation by 10% instead.


 40.6449, 27.8007,
97.8316


 40.6449, 27.8007,
97.8316

339.9223,
291.5134, 574.4051


 28.2282, 18.1755,
73.8841


 75.4227, 56.1661,
160.1999

 18.6391, 11.0760,
54.2030


 98.5144, 75.6751,
199.4578

 11.5122, 6.1180,
38.3697


 125.8952, 99.2474,
244.6562

 6.4823, 2.9170,
25.9657

157.9304,
127.2675, 296.2136

 3.1839, 1.0885,
16.5724

194.9853,
160.1197, 354.5487

 1.2518, 0.0000,
9.7714

237.4254,

 0.1467, 0.0000,

198.1885, 420.0800

5.1440

285.6159,
241.8583, 493.2260

■ 0.0000, 0.0000,
2.2718

■ 0.0000, 0.0000,
0.7154

■ 40.6449, 27.8007,
97.8316

■ 40.6449, 27.8007,
97.8316

■ 35.0281, 21.2144,
96.8563

■ 47.4539, 36.1922,
99.0924

■ 30.5186, 16.2867,
96.1429

■ 55.5252, 46.5137,
100.6593

■ 27.0233, 12.8514,
95.6640

■ 64.9267, 58.8821,
102.5511

■ 24.4288, 10.7036,
95.3862

■ 75.7204, 73.4038,
104.7852

■ 23.4483, 10.0029,
95.3026

■ 87.9639, 90.1778,
107.3776

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.



29.5495, 27.8007, 125.6986



40.6449, 27.8007, 97.8316



49.0956, 27.8007, 55.1631

Triad

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



40.6449, 27.8007, 97.8316



34.0861, 27.8007, 2.3496



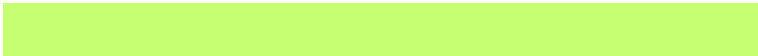
11.4657, 27.8007, 39.7348

Complementary

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



40.6449, 27.8007, 97.8316



62.3502, 84.8769, 29.0170

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.



12.0929, 27.8007, 14.2845



40.6449, 27.8007, 97.8316



23.5266, 27.8007, 1.8327

Square

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



40.6449, 27.8007, 97.8316



44.6855, 27.8007, 7.0111



15.9796, 27.8007, 4.2932



13.9700, 27.8007, 80.5725

Rectangle

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



40.6449, 27.8007, 97.8316



51.0946, 27.8007, 31.3710



15.9796, 27.8007, 4.2932



11.3343, 27.8007, 29.1956

Sweetspot

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



40.6460, 27.8017, 97.8317



73.7770, 70.7684, 104.3789



45.8650, 52.5480, 102.3332



15.3132, 14.5013, 22.2419



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.



40.6460, 27.8017, 97.8317



34.6740, 20.8134, 96.7976



59.5125, 37.5277, 98.7147



17.6857, 17.7297, 22.7400



12.4089, 5.3075, 49.8050



1.3272, 0.5781, 4.8549

Inverse Universe

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



57.5662, 37.4186, 58.2204



53.7177, 31.6654, 50.9452



48.0728, 77.5166, 28.3488



18.4693, 18.1710, 21.0882



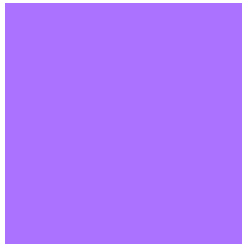
24.6600, 12.3533, 17.3918



2.4550, 1.2244, 1.9772

Previews

White Background



This preview shows how the XYZ color 40.6449, 27.8007, 97.8316 looks on a white background.

Color Contrast Check

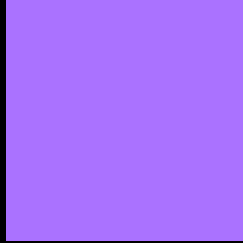
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6449, 27.8007, 97.8316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

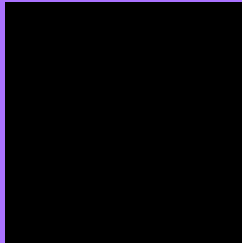
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6449, 27.8007, 97.8316

Background



This preview shows how black text looks on a background with the XYZ color 40.6449, 27.8007, 97.8316.

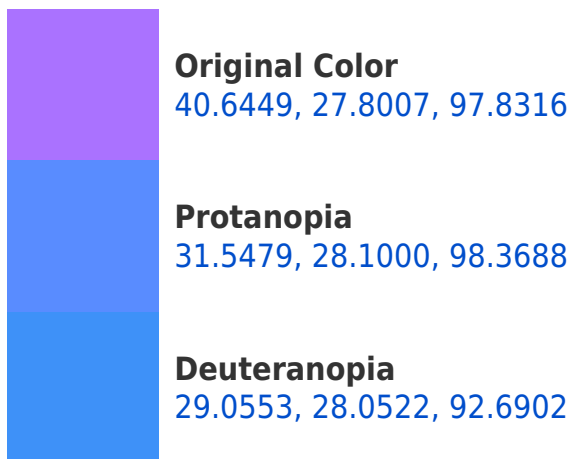


This preview shows how white text looks on a background with the XYZ color 40.6449, 27.8007,

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





Tritanopia

27.5868, 27.7063, 33.5996

Trichromacy



Original Color

40.6449, 27.8007, 97.8316



Protanomaly

33.6375, 27.3042, 98.1051



Deuteranomaly

31.3045, 26.7819, 94.7863



Tritanomaly

31.2062, 27.0748, 51.7253

Monochromacy



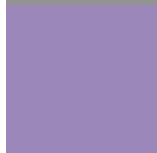
Original Color

40.6449, 27.8007, 97.8316



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

31.0445, 27.8417, 50.1921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6449, 27.8007, 97.8316 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(170, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 114, 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(170, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.6449, 27.8007, 97.8316 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(170, 114, 255) }
```


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

```
.border{ border-color:rgb(170, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 114,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6449, 27.8007, 97.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 114, 255) }
```

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

```
.background{ background-color: rgb(170,  
114, 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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