

Converting Colors

XYZ(52.4114, 31.9024,
159.1014)

Have a look what the booklet for
XYZ(52.4114, 31.9024, 159.1014)
contains.

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Color

**XYZ(40.6392, 27.1425,
97.7049)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6EFF
RGB	172, 110, 255
RGB Percent	67%, 43%, 100%
CMY	0.3255, 0.5686, 0.0000
CMYK	0.33, 0.57, 0.00, 0.00
HSL	266°, 100%, 72%
HSV	266°, 57%, 100%
XYZ	40.6392, 27.1425, 97.7049
YIQ	145.0680, -9.5930, 58.2390

Conversions

Conversions Part 2

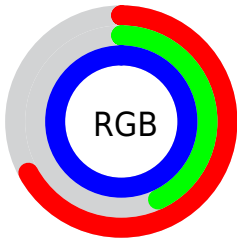
Format	Color
R _Y B	172, 110, 255
Decimal	11300607
CIE Lab	59.11, 52.95, -63.41
CIE LCh	59, 82.612, 309.860
Yxy	27.1425, 0.2456, 0.1640
Android (android.graphics.Color)	4289490687 (0xFFAC6EFF)
YUV	145.0680, 54.1965, 23.6194
Hunter-Lab	52.0985, 48.0659, -74.7229

Details

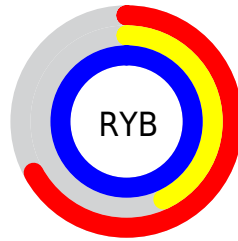
The XYZ color **40.6392, 27.1425, 97.7049** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **60.5665, 83.9831, 27.7707**, and the grayscale version is **26.7319, 28.1240, 30.6271**.

A 20% lighter version of the original color is **64.2805, 50.7598, 101.0174**, and **18.5305, 10.6347, 53.8994** is the 20% darker color. If you saturate the color by 10%, you get **35.2438, 20.8481, 96.7743**, and if you desaturate by 10%, it is **47.1800, 35.2028, 98.9159**.

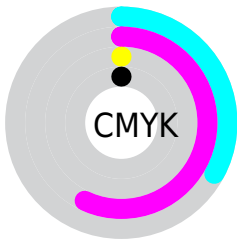
Distribution



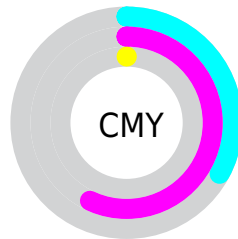
- Red (67%)
- Green (43%)
- Blue (100%)



- Red (67%)
- Yellow (43%)
- Blue (100%)



- Cyan (33%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6392, 27.1425, 97.7049 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 40.6392, 27.1425, 97.7049 by changing the saturation by 10% instead.


 40.6392, 27.1425,
97.7049


 40.6392, 27.1425,
97.7049

339.8988,
288.3464, 573.9927


 28.2237, 17.6803,
73.7790


 75.4141, 55.1124,
160.0239


 18.6357, 10.7207,
54.1175


 98.5041, 74.3890,
199.2540

 11.5098, 5.8793,
38.3018


 125.8831, 97.7057,
244.4227

 6.4806, 2.7719,
25.9134

 157.9163,
125.4470, 295.9484

 3.1829, 1.0138,
16.5337

194.9691,
157.9974, 354.2498

 1.2512, 0.0000,
9.7441

237.4069,

 0.1462, 0.0000,

195.7411, 419.7452

5.1263

285.5950,
239.0627, 492.8534

■ 0.0000, 0.0000,
2.2615

■ 0.0000, 0.0000,
0.7095

■ 40.6392, 27.1425,
97.7049

■ 40.6392, 27.1425,
97.7049

■ 35.2438, 20.8481,
96.7743

■ 47.1800, 35.2028,
98.9159

■ 30.9092, 16.1710,
96.1000

■ 54.9354, 45.1552,
100.4282

■ 27.5424, 12.9417,
95.6541

■ 63.9724, 57.1171,
102.2607

■ 25.0269, 10.9456,
95.4014

■ 74.3519, 71.1954,
104.4311

■ 24.3615, 10.4737,
95.3454

■ 86.1306, 87.4893,
106.9553

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.



29.3300, 27.1425, 127.6459



40.6392, 27.1425, 97.7049



49.1376, 27.1425, 53.6203

Triad

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



40.6392, 27.1425, 97.7049



33.2134, 27.1425, 1.9063



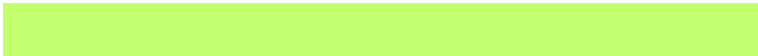
10.8220, 27.1425, 40.3358

Complementary

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



40.6392, 27.1425, 97.7049



60.5665, 83.9831, 27.7707

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.



11.3435, 27.1425, 14.0429



40.6392, 27.1425, 97.7049



22.5618, 27.1425, 1.5147

Square

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



40.6392, 27.1425, 97.7049



44.1221, 27.1425, 6.1043



15.0975, 27.1425, 3.9270



13.4135, 27.1425, 82.6477

Rectangle

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



40.6392, 27.1425, 97.7049



51.0166, 27.1425, 29.6922



15.0975, 27.1425, 3.9270



10.6594, 27.1425, 29.4154

Sweetspot

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



40.6403, 27.1434, 97.7050



74.1991, 70.9860, 104.3987



43.9028, 49.3793, 101.8250



15.4125, 14.5525, 22.2465



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.



40.6403, 27.1434, 97.7050



34.6985, 20.2371, 96.6851



60.5596, 37.4122, 98.6372



17.7395, 17.7574, 22.7425



12.8920, 5.5566, 49.8276



1.3772, 0.6039, 4.8572

Inverse Universe

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



56.4416, 36.2625, 54.4758



52.5527, 30.5646, 46.7671



46.6127, 76.7897, 27.1176



18.4452, 18.1614, 20.9613



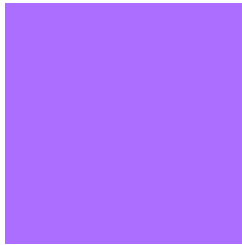
24.3345, 12.2231, 15.6780



2.4241, 1.2120, 1.8148

Previews

White Background



This preview shows how the XYZ color 40.6392, 27.1425, 97.7049 looks on a white background.

Color Contrast Check

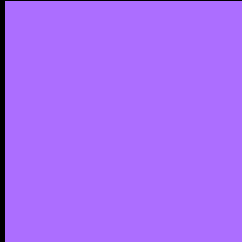
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6392, 27.1425, 97.7049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

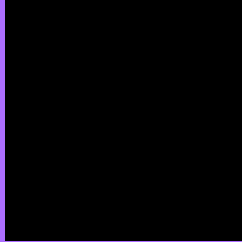
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6392, 27.1425, 97.7049

Background



This preview shows how black text looks on a background with the XYZ color 40.6392, 27.1425, 97.7049.

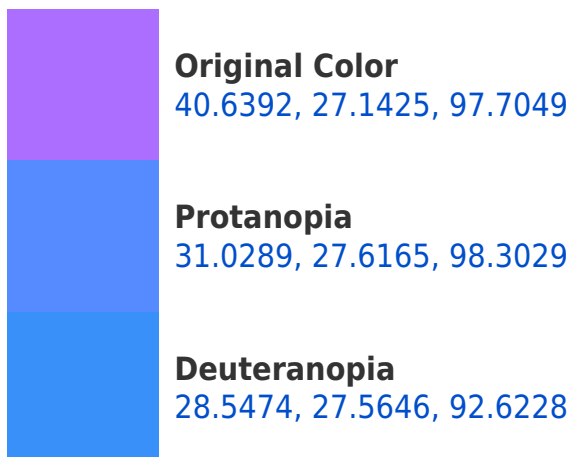


This preview shows how white text looks on a background with the XYZ color 40.6392, 27.1425,

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

27.2758, 26.9262, 32.1935

Trichromacy



Original Color

40.6392, 27.1425, 97.7049

Protanomaly

33.1053, 26.4403, 97.9664

Deuteranomaly

30.7009, 26.0642, 94.6796

Tritanomaly

31.0943, 26.4401, 51.0416

Monochromacy



Original Color

40.6392, 27.1425, 97.7049

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

30.5258, 26.9739, 49.4965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6392, 27.1425, 97.7049 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(172, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 110, 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(172, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 110, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.6392, 27.1425, 97.7049 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(172, 110, 255) }
```


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

```
.border{ border-color:rgb(172, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 110,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6392, 27.1425, 97.7049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 110, 255) }
```

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

```
.background{ background-color: rgb(172,  
110, 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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