

Converting Colors

XYZ(38.2142, 27.5596, 97.9132)

Have a look what the booklet for
XYZ(38.2142, 27.5596, 97.9132)
contains.

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Color

**XYZ(38.2840, 27.6215,
97.9214)**

Conversions

Conversions Part 1

Format	Color
Hex	9B78FF
RGB	155, 120, 255
RGB Percent	61%, 47%, 100%
CMY	0.3921, 0.5294, 0.0000
CMYK	0.39, 0.53, 0.00, 0.00
HSL	256°, 100%, 74%
HSV	256°, 53%, 100%
XYZ	38.2840, 27.6215, 97.9214
YIQ	145.8550, -22.4750, 49.4050

Conversions

Conversions Part 2

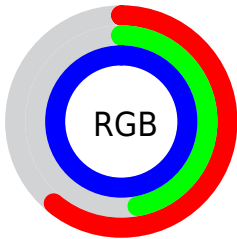
Format	Color
R _Y B	155, 120, 255
Decimal	10189055
CIE Lab	59.55, 43.63, -62.80
CIE LCh	60, 76.469, 304.791
Yxy	27.6215, 0.2337, 0.1686
Android (android.graphics.Color)	4288379135 (0xFF9B78FF)
YUV	145.8550, 53.8085, 8.0202
Hunter-Lab	52.5562, 38.0532, -73.6784

Details

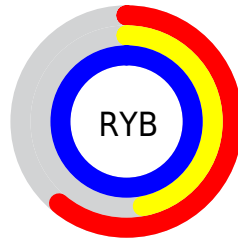
The XYZ color **38.2840, 27.6215, 97.9214** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **68.6649, 88.0914, 31.1543**, and the grayscale version is **27.0567, 28.4657, 30.9992**.

A 20% lighter version of the original color is **60.7251, 51.4033, 101.3290**, and **17.1980, 10.9529, 54.0310** is the 20% darker color. If you saturate the color by 10%, you get **32.2697, 20.5589, 96.8752**, and if you desaturate by 10%, it is **45.6839, 36.6109, 99.2666**.

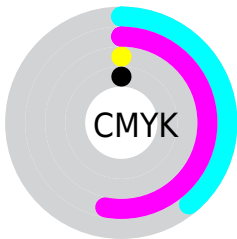
Distribution



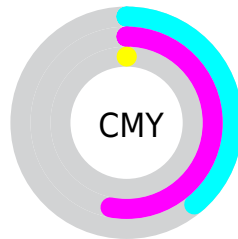
- Red (61%)
- Green (47%)
- Blue (100%)



- Red (61%)
- Yellow (47%)
- Blue (100%)



- Cyan (39%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2840, 27.6215, 97.9214 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 38.2840, 27.6215, 97.9214 by changing the saturation by 10% instead.


 38.2840, 27.6215,
97.9214


 38.2840, 27.6215,
97.9214

330.0965,
290.6539, 574.6974

 26.3814, 18.0405,
73.9586


 71.8443, 55.8796,
160.3246

 17.2434, 10.9791,
54.2635


 94.2328, 75.3255,
199.6021

 10.5045, 6.0528,
38.4178


 120.8472, 98.8285,
244.8216

 5.7996, 2.8772,
26.0028

152.0529,
126.7730, 296.4016

 2.7631, 1.0680,
16.5999

188.2154,
159.5434, 354.7606

 1.0297, 0.0000,
9.7907

229.6999,

 0.0000, 0.0000,

197.5241, 420.3172

5.1566

276.8718,
241.0994, 493.4900

■ 0.0000, 0.0000,
2.2791

■ 0.0000, 0.0000,
0.7195

■ 38.2840, 27.6215,
97.9214

■ 38.2840, 27.6215,
97.9214

■ 32.2697, 20.5589,
96.8752

■ 45.6839, 36.6109,
99.2666

■ 27.5450, 15.2742,
96.1042

■ 54.5498, 47.6553,
100.9310

■ 24.0059, 11.6001,
95.5815

■ 64.9595, 60.8747,
102.9340

■ 21.5284, 9.3343,
95.2748

■ 76.9843, 76.3791,
105.2929

■ 20.3046, 8.3823,
95.1555

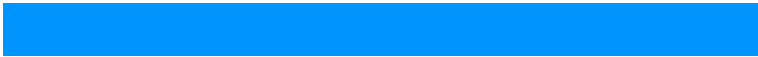
■ 90.6907, 94.2709,
108.0239

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.



27.8286, 27.6215, 119.7644



38.2840, 27.6215, 97.9214



46.7950, 27.6215, 58.7484

Triad

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



38.2840, 27.6215, 97.9214



34.9454, 27.6215, 3.0991



11.7990, 27.6215, 34.7196

Complementary

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



38.2840, 27.6215, 97.9214



68.6649, 88.0914, 31.1543

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.



12.8229, 27.6215, 12.6851



38.2840, 27.6215, 97.9214



24.7388, 27.6215, 2.1490

Square

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



38.2840, 27.6215, 97.9214



44.5606, 27.6215, 8.8451



17.0510, 27.6215, 4.1767



13.8050, 27.6215, 71.5542

Rectangle

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



38.2840, 27.6215, 97.9214



49.3163, 27.6215, 35.1453



17.0510, 27.6215, 4.1767



11.8059, 27.6215, 25.5176

Sweetspot

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



38.2851, 27.6224, 97.9216



73.1296, 71.3864, 104.5324



51.7187, 63.0585, 104.0534



15.1164, 14.5873, 22.2689



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.



38.2851, 27.6224, 97.9216



31.7096, 19.9174, 96.7809



54.6619, 36.0650, 98.6880



17.4445, 17.6054, 22.7287



10.7266, 4.4403, 49.7263



1.1411, 0.4822, 4.8462

Inverse Universe

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



60.8747, 39.8606, 72.1941



57.0202, 33.6678, 66.2351



52.4295, 79.7218, 30.3945



18.5797, 18.2152, 21.6699



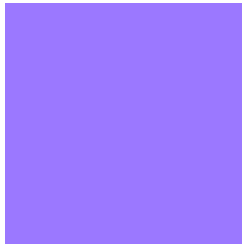
26.4060, 13.0517, 26.5862



2.6157, 1.2886, 2.8236

Previews

White Background



This preview shows how the XYZ color 38.2840, 27.6215, 97.9214 looks on a white background.

Color Contrast Check

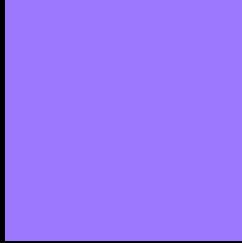
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2840, 27.6215, 97.9214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

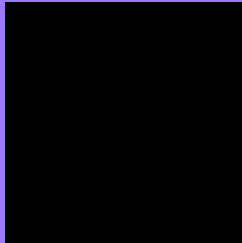
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.2840, 27.6215, 97.9214

Background



This preview shows how black text looks on a background with the XYZ color 38.2840, 27.6215, 97.9214.



This preview shows how white text looks on a background with the XYZ color 38.2840, 27.6215,

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

38.2840, 27.6215, 97.9214

Protanopia

31.4526, 28.0509, 98.3644

Deuteranopia

28.8552, 27.9311, 93.4929



Tritanopia

25.6419, 27.5566, 35.4200

Trichromacy



Original Color

38.2840, 27.6215, 97.9214



Protanomaly

33.1196, 27.4398, 98.1586



Deuteranomaly

30.6304, 26.8487, 94.8347



Tritanomaly

29.1338, 26.9895, 53.5432

Monochromacy



Original Color

38.2840, 27.6215, 97.9214



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

30.2030, 27.8261, 50.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2840, 27.6215, 97.9214 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(155, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 120, 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(155, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 120, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.2840, 27.6215, 97.9214 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(155, 120, 255) }
```


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

```
.border{ border-color:rgb(155, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 120,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2840, 27.6215, 97.9214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 120, 255) }
```

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

```
.background{ background-color: rgb(155,  
120, 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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