

Converting Colors

XYZ(39.0206, 24.7228, 97.3231)

Have a look what the booklet for
XYZ(39.0206, 24.7228, 97.3231)
contains.

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Color

**XYZ(38.8740, 24.5787,
97.3030)**

Conversions

Conversions Part 1

Format	Color
Hex	A963FF
RGB	169, 99, 255
RGB Percent	66%, 39%, 100%
CMY	0.3372, 0.6118, 0.0000
CMYK	0.34, 0.61, 0.00, 0.00
HSL	267°, 100%, 69%
HSV	267°, 61%, 100%
XYZ	38.8740, 24.5787, 97.3030
YIQ	137.7140, -8.3560, 63.3560

Conversions

Conversions Part 2

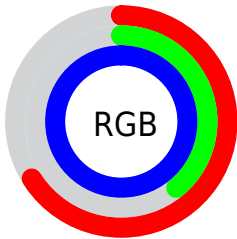
Format	Color
R _Y B	169, 99, 255
Decimal	11101183
CIE Lab	56.66, 57.94, -67.36
CIE LCh	57, 88.855, 310.702
Yxy	24.5787, 0.2418, 0.1529
Android (android.graphics.Color)	4289291263 (0xFFA963FF)
YUV	137.7140, 57.8220, 27.4378
Hunter-Lab	49.5769, 53.2049, -81.6627

Details

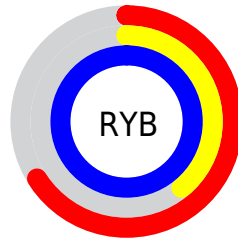
The XYZ color **38.8740, 24.5787, 97.3030** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **58.0195, 82.7350, 24.7165**, and the grayscale version is **23.8390, 25.0805, 27.3126**.

A 20% lighter version of the original color is **61.4361, 46.4964, 100.3444**, and **17.6106, 9.3647, 53.7027** is the 20% darker color. If you saturate the color by 10%, you get **33.9730, 19.0146, 96.4874**, and if you desaturate by 10%, it is **44.8637, 31.8363, 98.3882**.

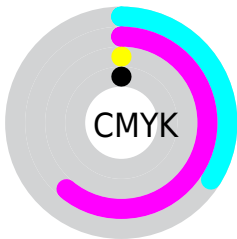
Distribution



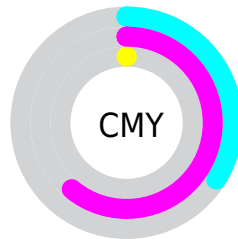
- Red (66%)
- Green (39%)
- Blue (100%)



- Red (66%)
- Yellow (39%)
- Blue (100%)



- Cyan (34%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8740, 24.5787, 97.3030 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 38.8740, 24.5787, 97.3030 by changing the saturation by 10% instead.

 38.8740, 24.5787,
97.3030


 38.8740, 24.5787,
97.3030

332.5709,
275.7333, 572.6834


 26.8420, 15.7635,
73.4458


 72.7411, 50.9729,
159.4653


 17.5906, 9.3569,
53.8465


 95.3069, 69.3207,
198.6075

 10.7543, 4.9747,
38.0866


 122.1147, 91.6147,
243.6818

 5.9680, 2.2324,
25.7476

 153.5298,
118.2395, 295.1067

 2.8661, 0.7376,
16.4108

189.9177,
149.5793, 353.3008

 1.0833, 0.0000,
9.6578

231.6436,

 0.0111, 0.0000,

186.0186, 418.6826

5.0701

279.0728,
227.9418, 491.6706

■ 0.0000, 0.0000,
2.2290

■ 0.0000, 0.0000,
0.6910

■ 38.8740, 24.5787,
97.3030

■ 38.8740, 24.5787,
97.3030

■ 33.9730, 19.0146,
96.4874

■ 44.8637, 31.8363,
98.3882

■ 30.0727, 14.9871,
95.9155

■ 52.0136, 40.9197,
99.7646

■ 27.0740, 12.3123,
95.5573

■ 60.3922, 51.9507,
101.4522

■ 25.0451, 10.8261,
95.3774

■ 70.0612, 65.0393,
103.4690

81.0778, 80.2875,
105.8315

93.4957, 97.7901,
108.5554

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.



27.2514, 24.5787, 130.7666



38.8740, 24.5787, 97.3030



47.6000, 24.5787, 50.3365

Triad

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



38.8740, 24.5787, 97.3030



30.5676, 24.5787, 0.9670



8.7645, 24.5787, 38.7899

Complementary

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



38.8740, 24.5787, 97.3030



58.0195, 82.7350, 24.7165

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.



9.1719, 24.5787, 12.0097



38.8740, 24.5787, 97.3030



19.8603, 24.5787, 0.7260

Square

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



38.8740, 24.5787, 97.3030



41.9091, 24.5787, 4.1554



12.6462, 24.5787, 2.6443



11.2974, 24.5787, 83.7183

Rectangle

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



38.8740, 24.5787, 97.3030



49.4158, 24.5787, 26.0707



12.6462, 24.5787, 2.6443



8.5866, 24.5787, 27.4655

Sweetspot

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



38.8750, 24.5795, 97.3031



73.4109, 69.6429, 104.1810



41.0514, 45.5838, 101.2427



15.0548, 14.0017, 22.1591



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.



38.8750, 24.5795, 97.3031



33.1894, 18.1701, 96.3656



60.0289, 35.4847, 98.2931



17.7770, 17.7768, 22.7443



13.2527, 5.7425, 49.8445



1.4140, 0.6228, 4.8590

Inverse Universe

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



54.4589, 33.6868, 49.5301



50.7543, 28.4560, 41.5800



44.3685, 75.6977, 24.0776



18.4285, 18.1547, 20.8734



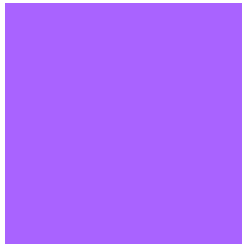
24.1207, 12.1376, 14.5522



2.4036, 1.2038, 1.7070

Previews

White Background



This preview shows how the XYZ color 38.8740, 24.5787, 97.3030 looks on a white background.

Color Contrast Check

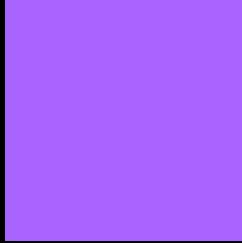
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8740, 24.5787, 97.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

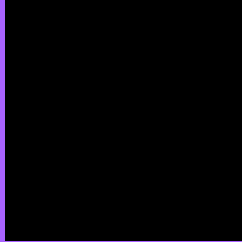
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8740, 24.5787, 97.3030

Background



This preview shows how black text looks on a background with the XYZ color 38.8740, 24.5787, 97.3030.

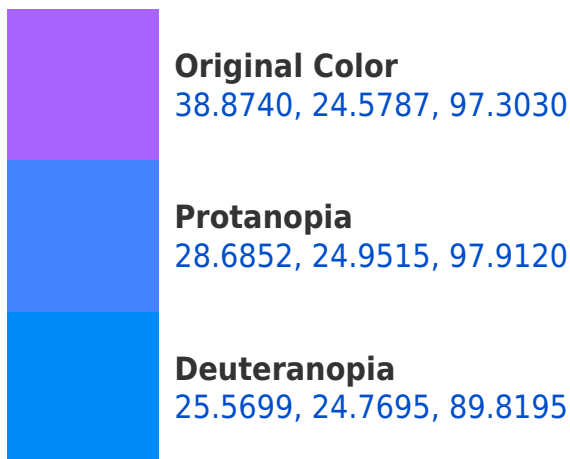


This preview shows how white text looks on a background with the XYZ color 38.8740, 24.5787,

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

25.0314, 24.3886, 28.9794

Trichromacy



Original Color

38.8740, 24.5787, 97.3030



Protanomaly

30.5922, 23.6562, 97.5615



Deuteranomaly

26.2310, 22.2470, 92.5341



Tritanomaly

28.6616, 23.5811, 47.8407

Monochromacy



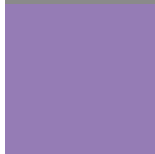
Original Color

38.8740, 24.5787, 97.3030



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

27.9426, 24.1411, 46.9030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8740, 24.5787, 97.3030 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(169, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 99, 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(169, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 99, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8740, 24.5787, 97.3030 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(169, 99, 255) }
```


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

```
.border{ border-color:rgb(169, 99, 255) }
```

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

Here you see how a box with a 4 pixel rgb(169, 99, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 99,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8740, 24.5787, 97.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 99, 255) }
```

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

```
.background{ background-color: rgb(169, 99,  
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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