

Converting Colors

XYZ(39.7127, 24.5976, 97.2625)

Have a look what the booklet for
XYZ(39.7127, 24.5976, 97.2625)
contains.

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Color

**XYZ(39.6884, 24.5844,
97.2612)**

Conversions

Conversions Part 1

Format	Color
Hex	AE60FF
RGB	174, 96, 255
RGB Percent	68%, 38%, 100%
CMY	0.3176, 0.6235, 0.0000
CMYK	0.32, 0.62, 0.00, 0.00
HSL	269°, 100%, 69%
HSV	269°, 62%, 100%
XYZ	39.6884, 24.5844, 97.2612
YIQ	137.4480, -4.5510, 65.9850

Conversions

Conversions Part 2

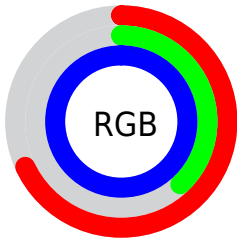
Format	Color
RYB	174, 96, 255
Decimal	11428095
CIELab	56.67, 60.49, -67.32
CIELCh	57, 90.510, 311.941
Yxy	24.5844, 0.2457, 0.1522
Android (android.graphics.Color)	4289618175 (0xFFAE60FF)
YUV	137.4480, 57.9531, 32.0561
Hunter-Lab	49.5827, 56.1105, -81.5952

Details

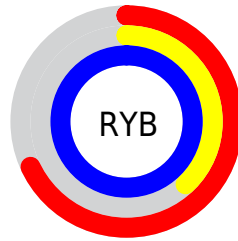
The XYZ color **39.6884, 24.5844, 97.2612** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **56.0026, 81.7115, 23.8872**, and the grayscale version is **23.7369, 24.9731, 27.1957**.

A 20% lighter version of the original color is **62.5606, 46.3563, 100.2581**, and **18.1085, 9.4002, 53.6833** is the 20% darker color. If you saturate the color by 10%, you get **34.9723, 19.2419, 96.4785**, and if you desaturate by 10%, it is **45.4406, 31.5812, 98.3085**.

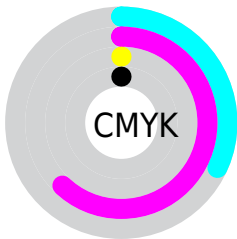
Distribution



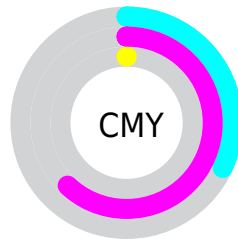
- Red (68%)
- Green (38%)
- Blue (100%)



- Red (68%)
- Yellow (38%)
- Blue (100%)



- Cyan (32%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6884, 24.5844, 97.2612 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 39.6884, 24.5844, 97.2612 by changing the saturation by 10% instead.


 39.6884, 24.5844,
97.2612


 39.6884, 24.5844,
97.2612


335.9655,
275.7618, 572.5471

 27.4788, 15.7677,
73.4112


 73.9761, 50.9822,
159.4072


 18.0716, 9.3599,
53.8184


 96.7850, 69.3321,
198.5403

 11.1014, 4.9767,
38.0643


 123.8577, 91.6285,
243.6047

 6.2029, 2.2336,
25.7304

 155.5595,
118.2557, 295.0191

 3.0107, 0.7382,
16.3981

192.2558,
149.5983, 353.2020

 1.1594, 0.0000,
9.6489

234.3120,

 0.0739, 0.0000,

186.0406, 418.5720

5.0642

282.0935,
227.9670, 491.5475

■ 0.0000, 0.0000,
2.2256

■ 0.0000, 0.0000,
0.6891

■ 39.6884, 24.5844,
97.2612

■ 39.6884, 24.5844,
97.2612

■ 34.9723, 19.2419,
96.4785

■ 45.4406, 31.5812,
98.3085

■ 31.2054, 15.3950,
95.9346

■ 52.2992, 40.3653,
99.6426

■ 28.2884, 12.8566,
95.5983

■ 60.3314, 51.0589,
101.2833

■ 26.5218, 11.5874,
95.4465

■ 69.5975, 63.7722,
103.2488

■ 80.1533, 78.6070,
105.5559

■ 92.0513, 95.6579,
108.2199

■ 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.



27.8134, 24.5844, 133.0911



39.6884, 24.5844, 97.2612



48.4005, 24.5844, 49.0801

Triad

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



39.6884, 24.5844, 97.2612



30.2255, 24.5844, 0.8146



8.6235, 24.5844, 40.6546

Complementary

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



39.6884, 24.5844, 97.2612



56.0026, 81.7115, 23.8872

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.



8.9146, 24.5844, 12.5111



39.6884, 24.5844, 97.2612



19.4212, 24.5844, 0.6398

Square

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



39.6884, 24.5844, 97.2612



41.9048, 24.5844, 3.7027



12.2745, 24.5844, 2.6508



11.3059, 24.5844, 87.2758

Rectangle

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



39.6884, 24.5844, 97.2612



50.0209, 24.5844, 24.8512



12.2745, 24.5844, 2.6508



8.4058, 24.5844, 28.7814

Sweetspot

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



39.6894, 24.5852, 97.2613



72.9894, 68.5037, 103.9833



38.8246, 41.6079, 100.5926



15.0013, 13.7952, 22.1220



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.



39.6894, 24.5852, 97.2613



33.8861, 18.0846, 96.3124



62.5049, 36.3470, 98.3290



17.8515, 17.8152, 22.7477



14.0295, 6.1430, 49.8809



1.4917, 0.6629, 4.8626

Inverse Universe

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



53.3588, 32.8005, 45.1132



49.5079, 27.4781, 36.4943



42.9791, 74.9977, 23.2777



18.3956, 18.1415, 20.7002



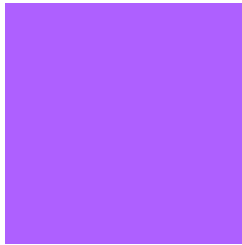
23.7264, 11.9799, 12.4756



2.3654, 1.1885, 1.5054

Previews

White Background



This preview shows how the XYZ color 39.6884, 24.5844, 97.2612 looks on a white background.

Color Contrast Check

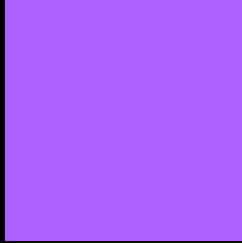
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6884, 24.5844, 97.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

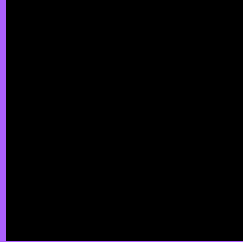
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.6884, 24.5844, 97.2612

Background



This preview shows how black text looks on a background with the XYZ color 39.6884, 24.5844, 97.2612.



This preview shows how white text looks on a background with the XYZ color 39.6884, 24.5844,

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

39.6884, 24.5844, 97.2612

Protanopia

28.6852, 24.9515, 97.9120

Deuteranopia

25.5699, 24.7695, 89.8195



Tritanopia

25.6652, 24.5341, 28.1938

Trichromacy



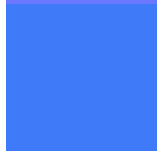
Original Color

39.6884, 24.5844, 97.2612



Protanomaly

30.7102, 23.5395, 97.5327



Deuteranomaly

26.2317, 22.0622, 92.4984



Tritanomaly

29.4191, 23.8078, 47.3008

Monochromacy



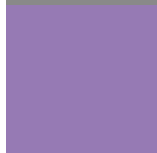
Original Color

39.6884, 24.5844, 97.2612



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

27.7754, 23.6984, 46.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6884, 24.5844, 97.2612 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(174, 96, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 96, 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(174, 96, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 96, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.6884, 24.5844, 97.2612 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(174, 96, 255) }
```


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

```
.border{ border-color:rgb(174, 96, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 96, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 96, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 96, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 96,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6884, 24.5844, 97.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 96, 255) }
```

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

```
.background{ background-color: rgb(174, 96,  
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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