

Converting Colors

XYZ(39.6366, 31.6861, 86.4650)

Have a look what the booklet for
XYZ(39.6366, 31.6861, 86.4650)
contains.

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Color

**XYZ(39.6366, 31.6861,
86.4650)**

Conversions

Conversions Part 1

Format	Color
Hex	A388F0
RGB	163, 136, 240
RGB Percent	64%, 53%, 94%
CMY	0.3608, 0.4667, 0.0588
CMYK	0.32, 0.43, 0.00, 0.06
HSL	256°, 78%, 74%
HSV	256°, 43%, 94%
XYZ	39.6366, 31.6861, 86.4650
YIQ	155.9290, -17.2920, 38.0680

Conversions

Conversions Part 2

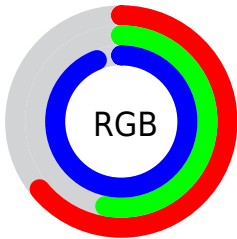
Format	Color
R_{YB}	163, 136, 240
Decimal	10717424
CIE _{Lab}	63.08, 32.68, -48.86
CIE _{LCh}	63, 58.781, 303.780
Yxy	31.6861, 0.2512, 0.2008
Android (android.graphics.Color)	4288907504 (0xFFA388F0)
YUV	155.9290, 41.4470, 6.2013
Hunter-Lab	56.2904, 27.1816, -51.6692

Details

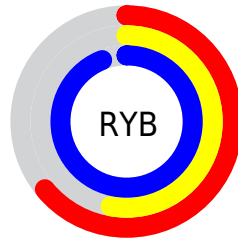
The XYZ color **39.6366, 31.6861, 86.4650** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.0449, 78.2443, 35.0734**, and the grayscale version is **31.3959, 33.0310, 35.9707**.

A 20% lighter version of the original color is **65.9787, 59.2626, 102.5691**, and **18.0594, 13.2626, 46.4079** is the 20% darker color. If you saturate the color by 10%, you get **33.2412, 23.9213, 85.3039**, and if you desaturate by 10%, it is **47.3023, 41.2302, 87.9037**.

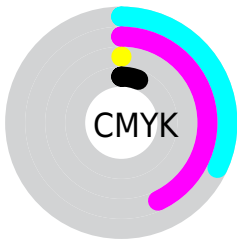
Distribution



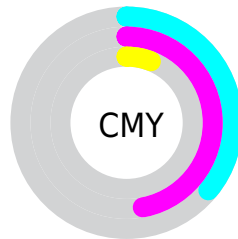
- Red (64%)
- Green (53%)
- Blue (94%)



- Red (64%)
- Yellow (53%)
- Blue (94%)



- Cyan (32%)
- Magenta (43%)
- Yellow (0%)
- Black (6%)





- Cyan (36%)
- Magenta (47%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6366, 31.6861, 86.4650 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 39.6366, 31.6861, 86.4650 by changing the saturation by 10% instead.


 39.6366, 31.6861,
86.4650


 39.6366, 31.6861,
86.4650


335.7503,
309.6868, 536.7337


 27.4383, 21.1219,
64.4955


 73.8977, 62.3187,
144.3105

 18.0409, 13.2131,
46.6033


 96.6912, 83.1558,
181.0235

 11.0792, 7.5755,
32.3701


 123.7470,
108.1860, 223.4881

 6.1878, 3.8245,
21.3772

155.4307,
137.7936, 272.1228

 3.0014, 1.5759,
13.2061

192.1075,
172.3631, 327.3462

 1.1545, 0.3413,
7.4382

234.1428,

 0.0700, 0.0000,

212.2789, 389.5768

3.6551

281.9019,
257.9254, 459.2331

■ 0.0000, 0.0000,
1.4381

■ 0.0000, 0.0000,
0.1712

■ 39.6366, 31.6861,
86.4650

■ 39.6366, 31.6861,
86.4650

■ 33.2412, 23.9213,
85.3039

■ 47.3023, 41.2302,
87.9037

■ 28.0401, 17.8190,
84.4002

■ 56.3011, 52.6529,
89.6343

■ 23.9546, 13.2540,
83.7344

■ 66.6956, 66.0507,
91.6725

■ 20.8936, 10.0807,
83.2832

■ 78.5435, 81.5121,
94.0323

■ 18.7499, 8.1241,
83.0185

■ 91.5783, 98.4785,
96.6202

■ 17.7345, 7.3255,
82.9179

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1557, 31.6861, 100.9232



39.6366, 31.6861, 86.4650



46.3676, 31.6861, 58.2080

Triad

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



39.6366, 31.6861, 86.4650



37.5380, 31.6861, 7.9569



17.0920, 31.6861, 37.5271

Complementary

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



39.6366, 31.6861, 86.4650



63.0449, 78.2443, 35.0734

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.



18.1903, 31.6861, 18.3033



39.6366, 31.6861, 86.4650



29.1011, 31.6861, 6.3836

Square

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



39.6366, 31.6861, 86.4650



45.0114, 31.6861, 15.1629



22.2580, 31.6861, 9.1154



18.9342, 31.6861, 65.7323

Rectangle

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



39.6366, 31.6861, 86.4650



48.4121, 31.6861, 39.5643



22.2580, 31.6861, 9.1154



17.1316, 31.6861, 29.8889

Sweetspot

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



39.6378, 31.6873, 86.4657



76.9114, 76.2816, 105.2779



49.9289, 59.6195, 91.3148



15.8642, 15.5524, 22.4157



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.



39.6378, 31.6873, 86.4657



38.9296, 28.3882, 98.0354



52.2647, 38.1967, 87.0567



15.2820, 15.4271, 19.8939



9.8132, 4.0643, 45.3951



0.9063, 0.3844, 3.7807

Inverse Universe

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



56.7502, 40.9385, 67.8615



61.2431, 40.4752, 72.6935



50.5052, 71.7799, 34.4865



16.2688, 15.9572, 18.9717



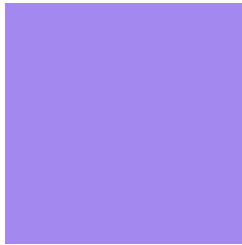
24.1106, 11.9167, 24.2966



2.0461, 1.0075, 2.2337

Previews

White Background



This preview shows how the XYZ color 39.6366, 31.6861, 86.4650 looks on a white background.

Color Contrast Check

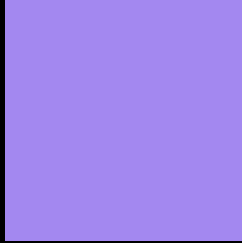
Large Text (above 18pt) WCAG AA × Fail

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 39.6366, 31.6861, 86.4650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

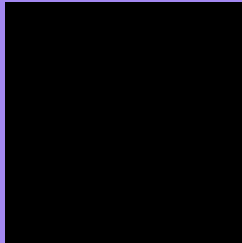
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.6366, 31.6861, 86.4650

Background



This preview shows how black text looks on a background with the XYZ color 39.6366, 31.6861, 86.4650.

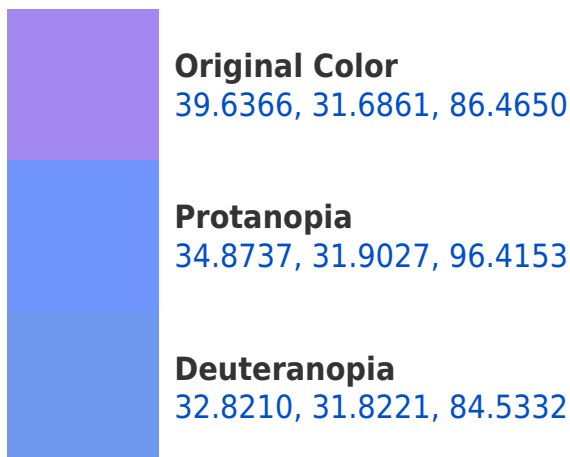


This preview shows how white text looks on a background with the XYZ color 39.6366, 31.6861,

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

30.3955, 31.7950, 40.1323

Trichromacy



Original Color

39.6366, 31.6861, 86.4650

Protanomaly

36.1225, 31.4697, 92.9773

Deuteranomaly

34.7648, 31.3979, 85.1170

Tritanomaly

33.0850, 31.4455, 54.1950

Monochromacy



Original Color

39.6366, 31.6861, 86.4650

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.0152, 32.4537, 51.4851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6366, 31.6861, 86.4650 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(163, 136, 240)` looks like.

```
.text, #text, p{  
    color:rgb(163, 136, 240)  
}
```

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(163, 136, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 136, 240) }
```

Border

The CSS property to change the border of an element to XYZ 39.6366, 31.6861, 86.4650 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(163, 136, 240) }
```


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

```
.border{ border-color:rgb(163, 136, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 136, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 136, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 136, 240);  
box-shadow:4px 4px 4px 4px rgb(163, 136,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6366, 31.6861, 86.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 136, 240) }
```

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

```
.background{ background-color: rgb(163,  
136, 240) }
```

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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