

Converting Colors

XYZ(36.6962, 31.2351, 70.2078)

Have a look what the booklet for
XYZ(36.6962, 31.2351, 70.2078)
contains.

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Color

**XYZ(36.7878, 31.2086,
70.4146)**

Conversions

Conversions Part 1

Format	Color
Hex	A28BDA
RGB	162, 139, 218
RGB Percent	64%, 55%, 85%
CMY	0.3647, 0.4549, 0.1451
CMYK	0.26, 0.36, 0.00, 0.15
HSL	257°, 52%, 70%
HSV	257°, 36%, 85%
XYZ	36.7878, 31.2086, 70.4146
YIQ	154.8830, -11.6510, 29.4450

Conversions

Conversions Part 2

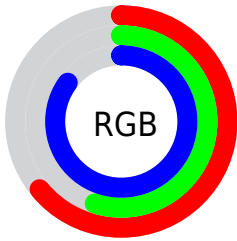
Format	Color
RYB	162, 139, 218
Decimal	10652634
CIELab	62.68, 25.23, -37.29
CIELCh	63, 45.026, 304.081
Yxy	31.2086, 0.2658, 0.2255
Android (android.graphics.Color)	4288842714 (0xFFA28BDA)
YUV	154.8830, 31.1167, 6.2416
Hunter-Lab	55.8647, 19.7820, -35.6268

Details

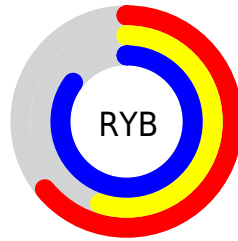
The XYZ color **36.7878, 31.2086, 70.4146** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **52.2381, 63.6097, 33.9520**, and the grayscale version is **30.9755, 32.5886, 35.4890**.

A 20% lighter version of the original color is **66.0334, 60.2654, 102.7598**, and **16.3676, 12.9772, 36.2925** is the 20% darker color. If you saturate the color by 10%, you get **30.9920, 23.9934, 69.3279**, and if you desaturate by 10%, it is **43.6010, 39.8838, 71.7305**.

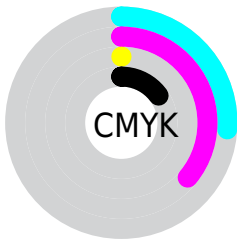
Distribution



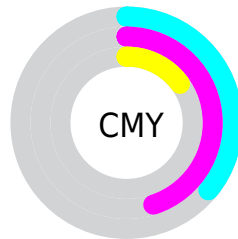
- Red (64%)
- Green (55%)
- Blue (85%)



- Red (64%)
- Yellow (55%)
- Blue (85%)



- Cyan (26%)
- Magenta (36%)
- Yellow (0%)
- Black (15%)



- Cyan (36%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7878, 31.2086, 70.4146 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 36.7878, 31.2086, 70.4146 by changing the saturation by 10% instead.

■ 36.7878, 31.2086,
70.4146

■ 36.7878, 31.2086,
70.4146

323.7624,
307.4982, 480.8328

■ 25.2162, 20.7577,
51.3857

■ 69.5623, 61.5683,
121.4865

■ 16.3678, 12.9470,
36.1368

■ 91.4958, 82.2460,
154.3665

■ 9.8773, 7.3921,
24.2493

■ 117.6140,
107.1014, 192.7007

■ 5.3793, 3.7085,
15.3048

148.2822,
136.5190, 236.9076

■ 2.5085, 1.5119,
8.8846

183.8658,
170.8830, 287.4057

■ 0.8995, 0.2971,
4.5702

224.7301,

■ 0.0000, 0.0000,

210.5780, 344.6136

1.9431

271.2405,
255.9882, 408.9498

■ 0.0000, 0.0000,
0.5199

■ 0.0000, 0.0000,
0.0000

■ 36.7878, 31.2086,
70.4146

■ 36.7878, 31.2086,
70.4146

■ 30.9920, 23.9934,
69.3279

■ 43.6010, 39.8838,
71.7305

■ 26.1586, 18.1522,
68.4552

■ 51.4759, 50.0911,
73.2857

■ 22.2324, 13.5953,
67.7826

■ 60.4583, 61.9022,
75.0920

■ 19.1508, 10.2206,
67.2936

■ 70.5900, 75.3833,
77.1601

■ 16.8418, 7.9097,
66.9693

■ 81.9109, 90.5965,
79.4999

■ 15.2184, 6.5157,
66.7858

■ 89.5527, 97.7893,
80.4855

■ 14.7350, 6.1343,
66.7376

■ 89.6550, 97.8420,
80.4903

Harmonies

Analogous

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



30.5115, 31.2086, 80.1365



36.7878, 31.2086, 70.4146



41.6080, 31.2086, 51.0198

Triad

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



36.7878, 31.2086, 70.4146



35.1324, 31.2086, 11.7296



19.3702, 31.2086, 36.4459

Complementary

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



36.7878, 31.2086, 70.4146



52.2381, 63.6097, 33.9520

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.



20.2553, 31.2086, 21.2332



36.7878, 31.2086, 70.4146



28.8300, 31.2086, 10.1716

Square

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



36.7878, 31.2086, 70.4146



40.5634, 31.2086, 18.3286



23.5229, 31.2086, 12.9547



20.9142, 31.2086, 56.6856

Rectangle

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



36.7878, 31.2086, 70.4146



43.0342, 31.2086, 37.5910



23.5229, 31.2086, 12.9547



19.3950, 31.2086, 30.6096

Sweetspot

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



36.7889, 31.2098, 70.4153



79.8048, 79.8128, 105.8070



42.9569, 49.8590, 73.6899



16.7091, 16.5938, 22.5722



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.



36.7889, 31.2098, 70.4153



46.4228, 36.9572, 99.2944



45.9445, 35.9297, 70.8438



12.6931, 12.7999, 16.4538



8.9210, 3.7231, 39.9868



0.6626, 0.2848, 2.5945

Inverse Universe

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



47.9973, 37.3119, 56.3028



64.7486, 46.9498, 75.5157



43.4655, 59.0872, 33.5414



13.4444, 13.2069, 15.6014



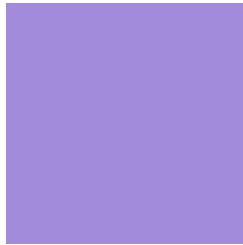
20.8921, 10.3579, 19.6096



1.3903, 0.6857, 1.4641

Previews

White Background



This preview shows how the XYZ color 36.7878, 31.2086, 70.4146 looks on a white background.

Color Contrast Check

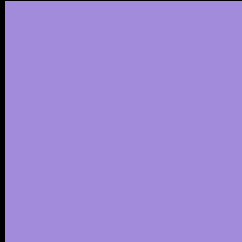
Large Text (above 18pt) WCAG AA × Fail

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 36.7878, 31.2086, 70.4146 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 36.7878, 31.2086, 70.4146

Background



This preview shows how black text looks on a background with the XYZ color 36.7878, 31.2086, 70.4146.



This preview shows how white text looks on a background with the XYZ color 36.7878, 31.2086,

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

36.7878, 31.2086, 70.4146

Protanopia

32.9324, 31.3459, 76.2661

Deuteranopia

32.2031, 31.3598, 69.3215



Tritanopia

30.3768, 31.0967, 38.5837

Trichromacy



Original Color

36.7878, 31.2086, 70.4146

Protanomaly

33.9259, 30.9818, 74.0040

Deuteranomaly

33.6185, 31.1430, 69.8849

Tritanomaly

32.4327, 31.0031, 48.5308

Monochromacy



Original Color

36.7878, 31.2086, 70.4146

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.8839, 31.9783, 46.5588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7878, 31.2086, 70.4146 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(162, 139, 218)` looks like.

```
.text, #text, p{  
    color:rgb(162, 139, 218)  
}
```

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(162, 139, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 139, 218) }
```

Border

The CSS property to change the border of an element to XYZ 36.7878, 31.2086, 70.4146 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(162, 139, 218) }
```


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

```
.border{ border-color:rgb(162, 139, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 139, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 139, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 139, 218);  
box-shadow:4px 4px 4px 4px rgb(162, 139,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7878, 31.2086, 70.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 139, 218) }
```

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

```
.background{ background-color: rgb(162,  
139, 218) }
```

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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