

Converting Colors

XYZ(36.9019, 30.9306, 70.0399)

Have a look what the booklet for
XYZ(36.9019, 30.9306, 70.0399)
contains.

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Color

**XYZ(36.9104, 30.8458,
70.3381)**

Conversions

Conversions Part 1

Format	Color
Hex	A489DA
RGB	164, 137, 218
RGB Percent	64%, 54%, 85%
CMY	0.3569, 0.4627, 0.1451
CMYK	0.25, 0.37, 0.00, 0.15
HSL	260°, 52%, 70%
HSV	260°, 37%, 85%
XYZ	36.9104, 30.8458, 70.3381
YIQ	154.3070, -9.9090, 30.9150

Conversions

Conversions Part 2

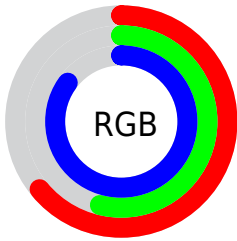
Format	Color
RYB	164, 137, 218
Decimal	10783194
CIELab	62.38, 26.95, -37.76
CIELCh	62, 46.392, 305.522
Yxy	30.8458, 0.2673, 0.2234
Android (android.graphics.Color)	4288973274 (0xFFA489DA)
YUV	154.3070, 31.4006, 8.5008
Hunter-Lab	55.5390, 21.4352, -36.2113

Details

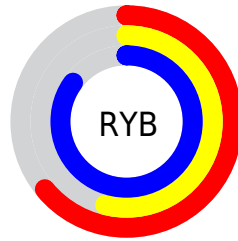
The XYZ color **36.9104, 30.8458, 70.3381** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **51.0734, 63.0260, 33.1415**, and the grayscale version is **30.7204, 32.3202, 35.1967**.

A 20% lighter version of the original color is **66.1960, 59.6972, 102.6416**, and **16.4495, 12.7757, 36.2493** is the 20% darker color. If you saturate the color by 10%, you get **31.2892, 23.8036, 69.2756**, and if you desaturate by 10%, it is **43.5026, 39.3192, 71.6267**.

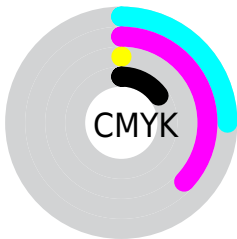
Distribution



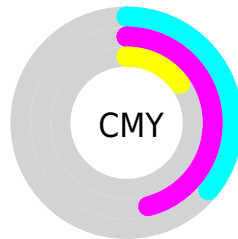
- Red (64%)
- Green (54%)
- Blue (85%)



- Red (64%)
- Yellow (54%)
- Blue (85%)



- Cyan (25%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)





- Cyan (36%)
- Magenta (46%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9104, 30.8458, 70.3381 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 36.9104, 30.8458, 70.3381 by changing the saturation by 10% instead.


 36.9104, 30.8458,
70.3381


 36.9104, 30.8458,
70.3381

324.2847,
305.8273, 480.5574


 25.3115, 20.4815,
51.3237


 69.7497, 60.9972,
121.3764

 16.4392, 12.7455,
36.0878


 91.7208, 81.5531,
154.2374

 9.9283, 7.2535,
24.2118

 117.8799,
106.2749, 192.5511

 5.4134, 3.6212,
15.2771

148.5926,
135.5471, 236.7358

 2.5290, 1.4640,
8.8653

184.2240,
169.7540, 287.2103

 0.9099, 0.2632,
4.5578

225.1396,

 0.0000, 0.0000,

209.2801, 344.3931

1.9361

271.7047,
254.5097, 408.7026

■ 0.0000, 0.0000,
0.5156

■ 0.0000, 0.0000,
0.0000

■ 36.9104, 30.8458,
70.3381

■ 36.9104, 30.8458,
70.3381

■ 31.2892, 23.8036,
69.2756

■ 43.5026, 39.3192,
71.6267

■ 26.5862, 18.1072,
68.4240

■ 51.1083, 49.2952,
73.1514

■ 22.7485, 13.6675,
67.7693

■ 59.7711, 60.8450,
74.9242

■ 19.7155, 10.3826,
67.2951

■ 69.5312, 74.0338,
76.9555

■ 17.4179, 8.1339,
66.9822

■ 80.4265, 88.9233,
79.2552

■ 15.7670, 6.7662,
66.8052

■ 88.2716, 97.1289,
80.4255

■ 15.3775, 6.4655,
66.7677

■ 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.



30.4957, 30.8458, 81.1216



36.9104, 30.8458, 70.3381



41.7416, 30.8458, 50.0537

Triad

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



36.9104, 30.8458, 70.3381



34.6126, 30.8458, 10.9161



18.8643, 30.8458, 37.0257

Complementary

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



36.9104, 30.8458, 70.3381



51.0734, 63.0260, 33.1415

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.



19.6421, 30.8458, 21.1955



36.9104, 30.8458, 70.3381



28.1710, 30.8458, 9.5807

Square

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



36.9104, 30.8458, 70.3381



40.2879, 30.8458, 17.2303



22.8454, 30.8458, 12.5664



20.5455, 30.8458, 57.9591

Rectangle

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



36.9104, 30.8458, 70.3381



43.0830, 30.8458, 36.3595



22.8454, 30.8458, 12.5664



18.8500, 30.8458, 30.9569

Sweetspot

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



36.9115, 30.8470, 70.3388



80.1972, 80.0151, 105.8254



41.6032, 47.6429, 73.3335



16.8021, 16.6418, 22.5766



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.



36.9115, 30.8470, 70.3388



45.9398, 35.5736, 99.0528



46.6405, 35.8625, 70.7941



12.7456, 12.8270, 16.4562



9.3150, 3.9262, 40.0053



0.6931, 0.3006, 2.5959

Inverse Universe

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



47.2639, 36.5594, 53.8565



63.1465, 45.0860, 70.8493



42.2576, 58.4813, 32.7289



13.4203, 13.1972, 15.4743



20.4513, 10.1816, 17.2884



1.3643, 0.6754, 1.3273

Previews

White Background



This preview shows how the XYZ color 36.9104, 30.8458, 70.3381 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 36.9104, 30.8458, 70.3381 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 36.9104, 30.8458, 70.3381

Background



This preview shows how black text looks on a background with the XYZ color 36.9104, 30.8458, 70.3381.



This preview shows how white text looks on a background with the XYZ color 36.9104, 30.8458,

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

36.9104, 30.8458, 70.3381

Protanopia

32.6234, 30.9368, 76.9250

Deuteranopia

31.6174, 30.8368, 68.5757



Tritanopia

30.3173, 30.8404, 38.0731

Trichromacy



Original Color

36.9104, 30.8458, 70.3381

Protanomaly

33.9090, 30.7316, 74.6656

Deuteranomaly

33.3353, 30.7841, 69.1507

Tritanomaly

32.4735, 30.7963, 48.4887

Monochromacy



Original Color

36.9104, 30.8458, 70.3381

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.6263, 31.6232, 45.9793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9104, 30.8458, 70.3381 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(164, 137, 218)` looks like.

```
.text, #text, p{  
    color:rgb(164, 137, 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(164, 137, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 137, 218) }
```

Border

The CSS property to change the border of an element to XYZ 36.9104, 30.8458, 70.3381 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(164, 137, 218) }
```


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

```
.border{ border-color:rgb(164, 137, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 137, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 137, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 137, 218);  
box-shadow:4px 4px 4px 4px rgb(164, 137,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9104, 30.8458, 70.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 137, 218) }
```

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

```
.background{ background-color: rgb(164,  
137, 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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